

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX013120\
 Data File : VX014777.D
 Acq On : 31 Jan 2020 12:01
 Operator : JC/SP
 Sample : VX0131WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0131WBS01

Quant Time: Jan 31 15:35:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X012220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 22 12:35:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.44	168	327	50.00	ug/l	-0.21
34) 1,4-Difluorobenzene	0.00	114	0	0.00	ug/l	-6.85
63) Chlorobenzene-d5	10.02	117	582940	50.00	ug/l	-0.09
72) 1,4-Dichlorobenzene-d4	12.05	152	296081	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.81	65	796	208.45	ug/l	-0.24
Spiked Amount	50.000		Recovery	=	416.90%	
35) Dibromofluoromethane	5.52	113	225	0.00	ug/l	0.03
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	8.51	98	756607	0.00	ug/l	-0.20
Spiked Amount	50.000		Recovery	=	0.00%	
62) 4-Bromofluorobenzene	11.09	95	261016	0.00	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.37	85	33546	7562.206	ug/l	96
3) Chloromethane	1.27	50	210	47.471	ug/l #	77
4) Vinyl Chloride	1.36	62	9873	2064.144	ug/l #	52
5) Bromomethane	1.59	94	372	114.502	ug/l #	8
6) Chloroethane	1.64	64	343	127.486	ug/l #	66
7) Trichlorofluoromethane	1.85	101	185	33.218	ug/l #	34
8) Diethyl Ether	2.05	74	571	234.890	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.26	101	281	85.947	ug/l #	8
10) Methyl Iodide	2.41	142	291	67.832	ug/l #	53
11) Tert butyl alcohol	2.89	59	30333	35381.426	ug/l #	75
12) 1,1-Dichloroethene	2.15	96	80264	24691.446	ug/l	92
13) Acrolein	2.17	56	13553	20049.660	ug/l #	68
14) Allyl chloride	2.84	41	58967	10092.123	ug/l #	60
15) Acrylonitrile	3.00	53	103	51.925	ug/l #	1
16) Acetone	2.17	43	53430	25514.718	ug/l #	55
17) Carbon Disulfide	2.48	76	185	20.823	ug/l #	1
18) Methyl Acetate	2.79	43	1058975	177268.035	ug/l #	52
19) Methyl tert-butyl Ether	3.04	73	337	31.651	ug/l #	53
20) Methylene Chloride	2.74	84	350	90.379	ug/l #	21
21) trans-1,2-Dichloroethene	3.01	96	263	73.480	ug/l #	67
22) Diisopropyl ether	3.65	45	4066	349.773	ug/l #	1
23) Vinyl Acetate	3.64	43	338322	38179.276	ug/l #	72
24) 1,1-Dichloroethane	3.58	63	42680	6760.579	ug/l #	1
25) 2-Butanone	4.51	43	693	231.114	ug/l #	64
26) 2,2-Dichloropropane	4.42	77	129	25.529	ug/l #	52
27) cis-1,2-Dichloroethene	4.43	96	238	59.414	ug/l #	11
28) Bromochloromethane	4.79	49	7909	2850.937	ug/l #	13
29) Tetrahydrofuran	4.80	42	17636	9909.670	ug/l #	61
30) Chloroform	5.06	83	521	83.309	ug/l	97
31) Cyclohexane	5.36	56	32	5.389	ug/l #	1
32) 1,1,1-Trichloroethane	5.27	97	107	20.241	ug/l #	16
64) Tetrachloroethene	9.18	164	102693	17.797	ug/l	97
65) Chlorobenzene	10.04	112	230463	18.483	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.14	131	85876	18.680	ug/l	100

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 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

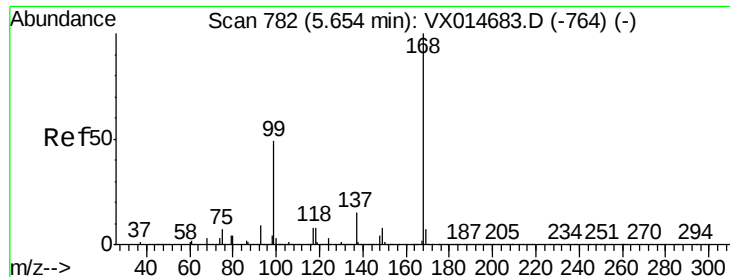
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0131WBS01

Quant Time: Jan 31 15:35:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X012220W.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

67) Ethyl Benzene	10.28	91	610188	28.660	ug/l #	65
68) m/p-Xylenes	10.28	106	303422	37.619	ug/l	99
69) o-Xylene	10.64	106	146737	18.845	ug/l	96
70) Styrene	10.65	104	244535	18.721	ug/l	99
71) Bromoform	10.80	173	67850	18.559	ug/l #	99
73) Isopropylbenzene	10.97	105	387937	18.634	ug/l	99
74) N-amyl acetate	10.86	43	159073	17.437	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.23	83	129056	17.362	ug/l	100
76) 1,2,3-Trichloropropane	11.26	75	142136	20.634	ug/l	94
77) Bromobenzene	11.21	156	102895	18.398	ug/l	97
78) n-propylbenzene	11.32	91	441941	18.702	ug/l	100
79) 2-Chlorotoluene	11.38	91	265741	18.586	ug/l	99
80) 1,3,5-Trimethylbenzene	11.47	105	326820	18.915	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.09	75	131383	54.277	ug/l #	10
82) 4-Chlorotoluene	11.48	91	303541	18.648	ug/l	99
83) tert-Butylbenzene	11.74	119	310429	19.119	ug/l	95
84) 1,2,4-Trimethylbenzene	11.78	105	327360	18.889	ug/l	98
85) sec-Butylbenzene	11.92	105	379336	19.071	ug/l	99
86) p-Isopropyltoluene	12.04	119	349329	19.004	ug/l	100
87) 1,3-Dichlorobenzene	12.00	146	180217	17.930	ug/l	99
88) 1,4-Dichlorobenzene	12.07	146	182086	18.085	ug/l	99
89) n-Butylbenzene	12.37	91	289755	18.099	ug/l	99
90) Hexachloroethane	12.57	117	60436	17.701	ug/l	100
91) 1,2-Dichlorobenzene	12.37	146	181057	18.137	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.98	75	26535	16.615	ug/l	97
93) 1,2,4-Trichlorobenzene	13.63	180	116172	18.050	ug/l	98
94) Hexachlorobutadiene	13.78	225	62234	18.787	ug/l	97
95) Naphthalene	13.82	128	336518	16.843	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	120423	18.504	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

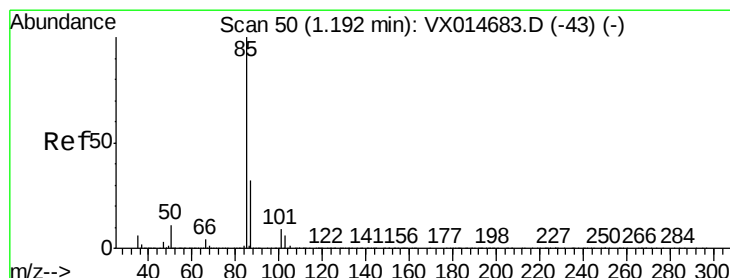
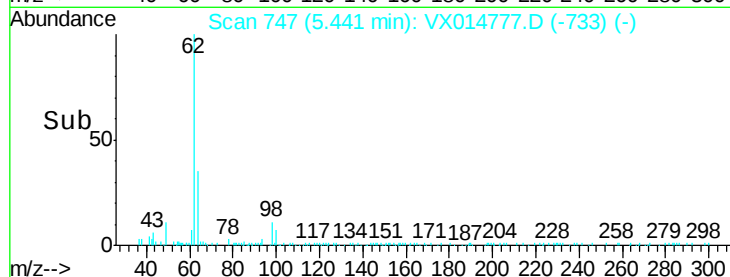
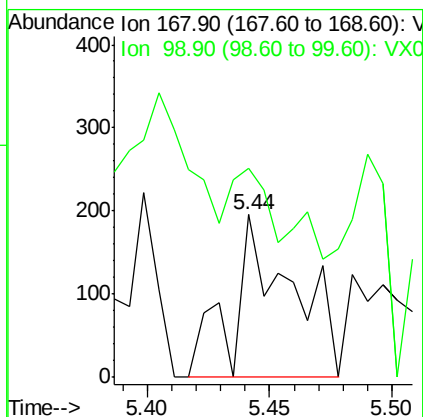
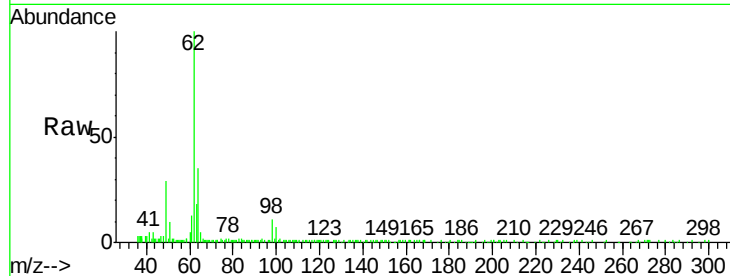


#1

Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.44 min Scan# 747
Delta R.T. -0.21 min
Lab File: VX014777.D
Acq: 31 Jan 2020 12:01

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MSVOA_X
ClientSampleId :
VX0131WBS01

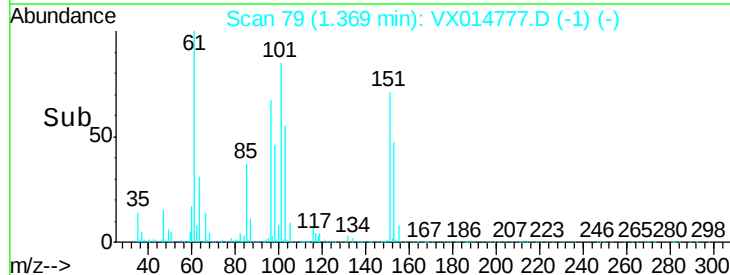
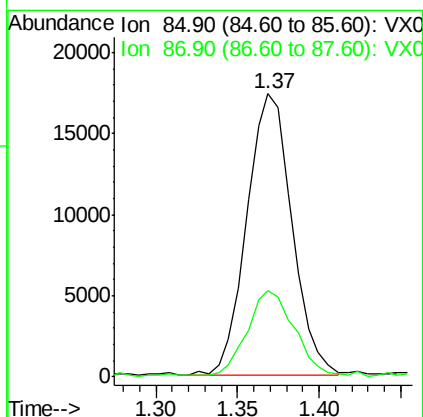
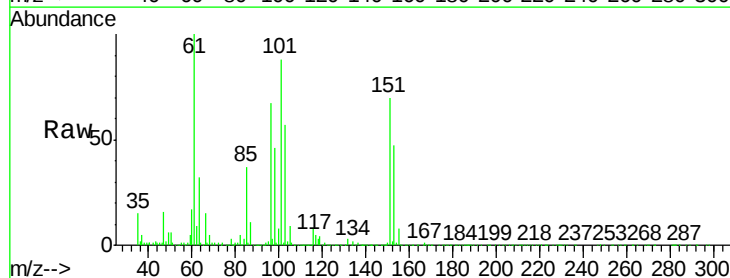
Tot Ion:168 Resp: 327
Ion Ratio Lower Upper
168 100
99 1.0 39.8 59.6#

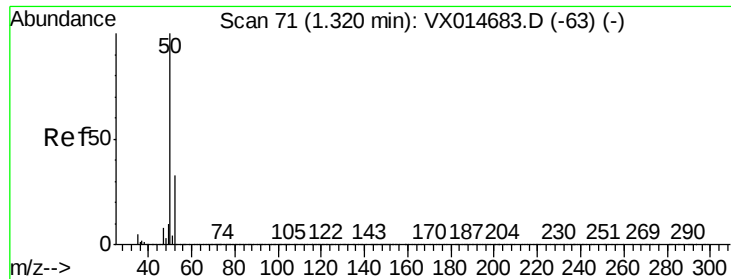


#2

Dichlorodifluoromethane
Concen: 7562.206 ug/l
RT: 1.37 min Scan# 79
Delta R.T. 0.18 min
Lab File: VX014777.D
Acq: 31 Jan 2020 12:01

Tgt Ion: 85 Resp: 33546
Ion Ratio Lower Upper
85 100
87 29.9 16.2 48.5





#3

Chloromethane

Concen: 47.471 ug/l

RT: 1.27 min Scan# 62

Delta R.T. -0.05 min

Lab File: VX014777.D

Acq: 31 Jan 2020 12:01

Instrument :

MSVOA_X

ClientSampleId :

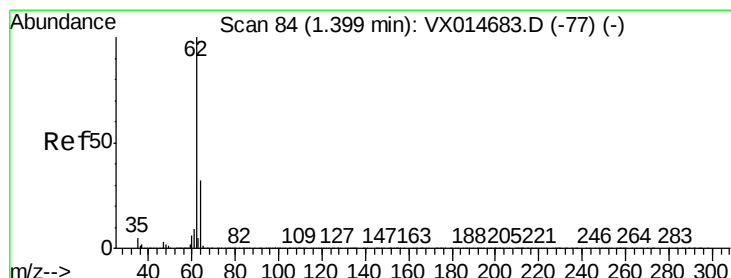
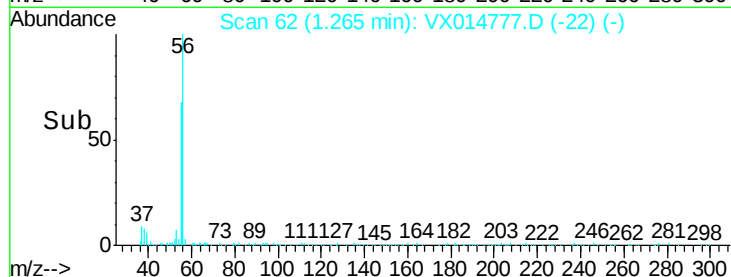
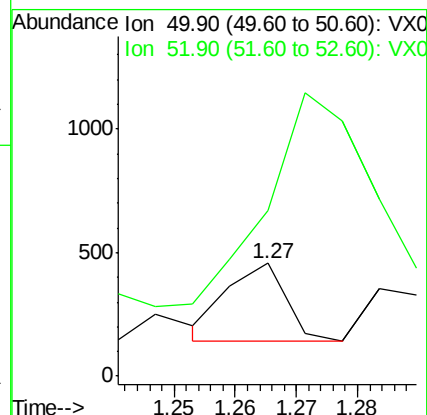
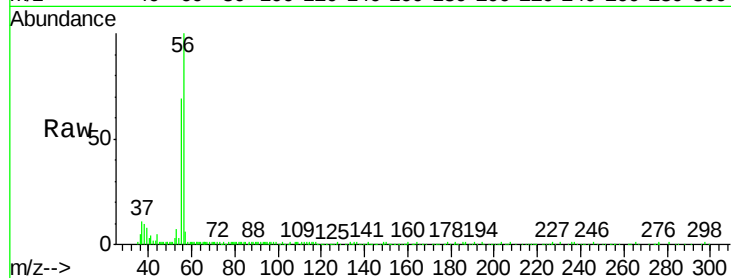
VX0131WBS01

Tot Ion: 50 Resp: 210

Ion Ratio Lower Upper

50 100

52 45.6 26.2 39.2#



#4

Vinyl Chloride

Concen: 2064.144 ug/l

RT: 1.36 min Scan# 77

Delta R.T. -0.04 min

Lab File: VX014777.D

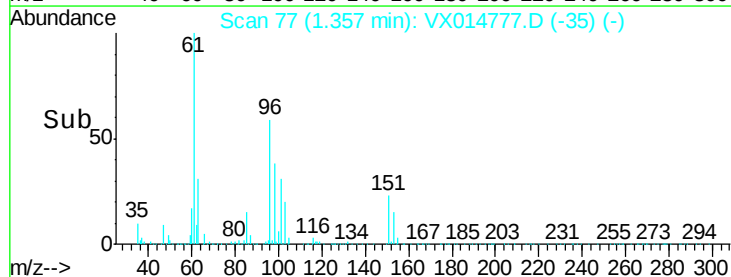
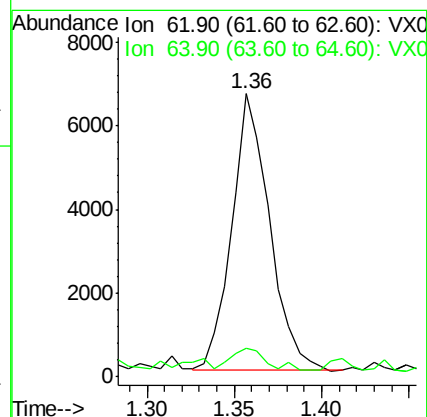
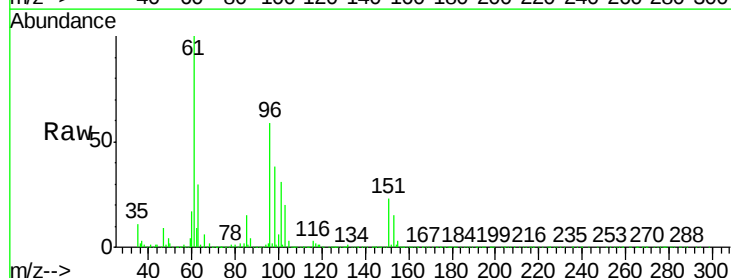
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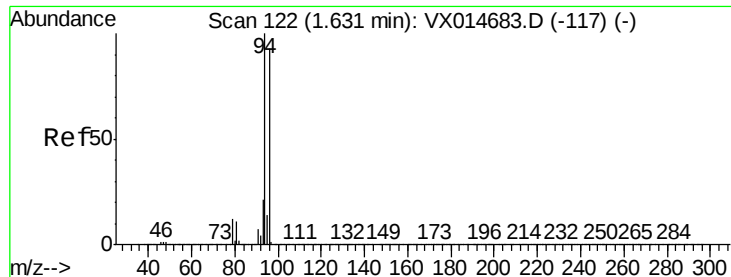
Tgt Ion: 62 Resp: 9873

Ion Ratio Lower Upper

62 100

64 5.1 25.4 38.2#





#5

Bromomethane

Concen: 114.502 ug/l

RT: 1.59 min Scan# 115

Delta R.T. -0.04 min

Lab File: VX014777.D

Acq: 31 Jan 2020 12:01

Instrument :

MSVOA_X

ClientSampleId :

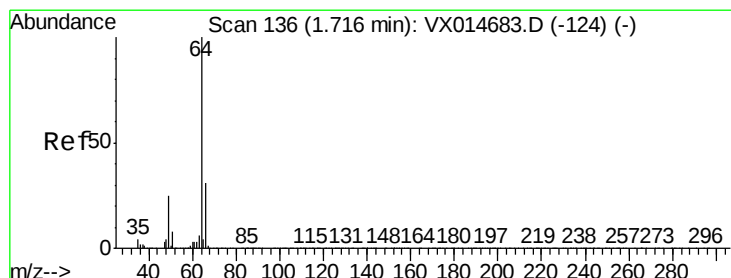
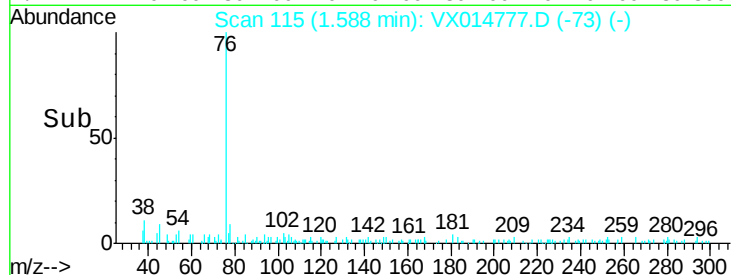
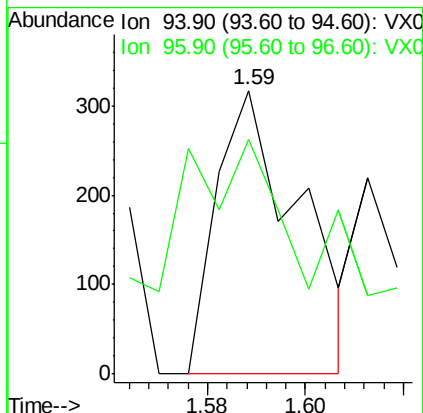
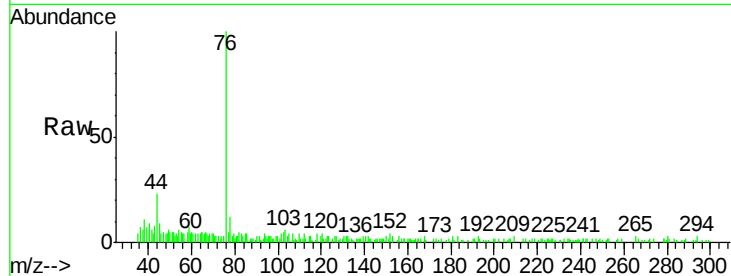
VX0131WBS01

Tot Ion: 94 Resp: 372

Ion Ratio Lower Upper

94 100

96 5.0 74.7 112.1#



#6

Chloroethane

Concen: 127.486 ug/l

RT: 1.64 min Scan# 124

Delta R.T. -0.07 min

Lab File: VX014777.D

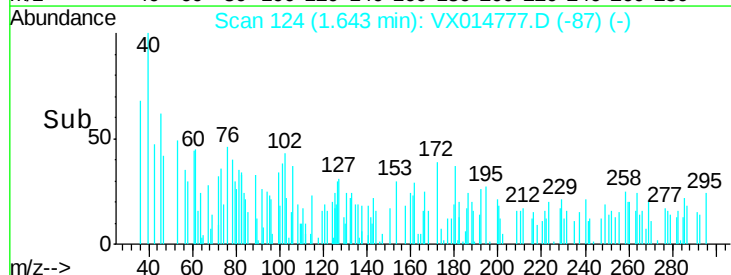
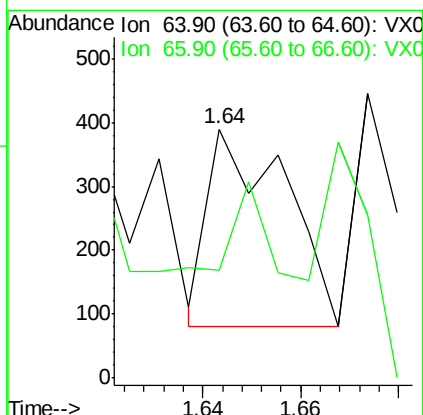
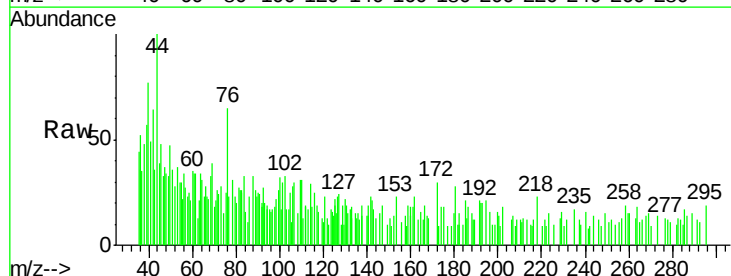
Acq: 31 Jan 2020 12:01

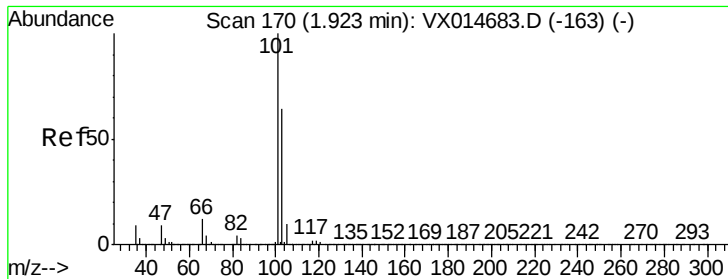
Tgt Ion: 64 Resp: 343

Ion Ratio Lower Upper

64 100

66 12.5 25.2 37.8#



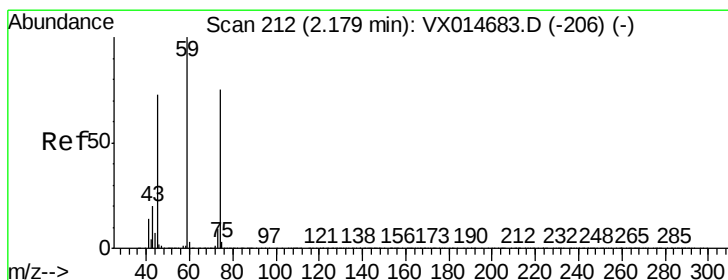
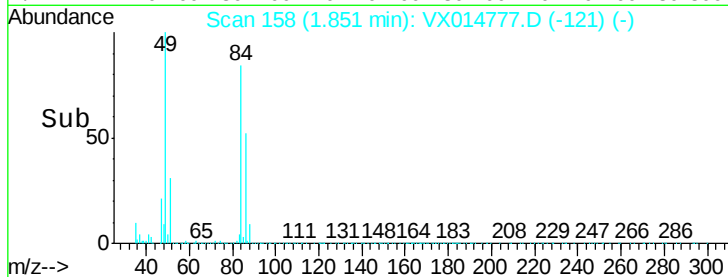
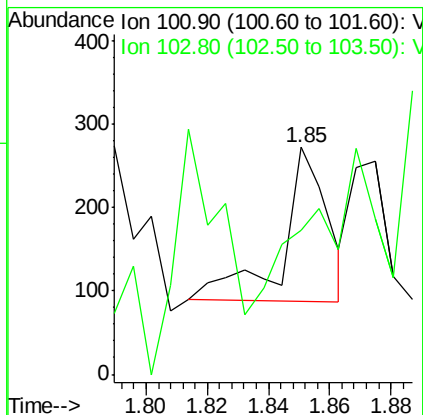
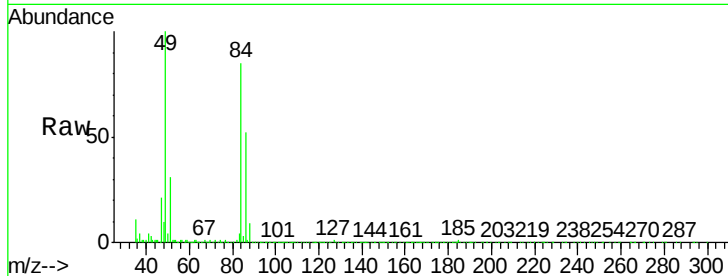


#7

Trichlorofluoromethane
Concen: 33.218 ug/l
RT: 1.85 min Scan# 158
Delta R.T. -0.07 min
Lab File: VX014777.D
Acq: 31 Jan 2020 12:01

Instrument :
MSVOA_X
ClientSampleId :
VX0131WBS01

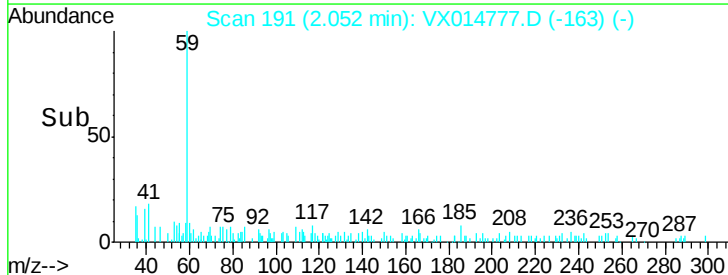
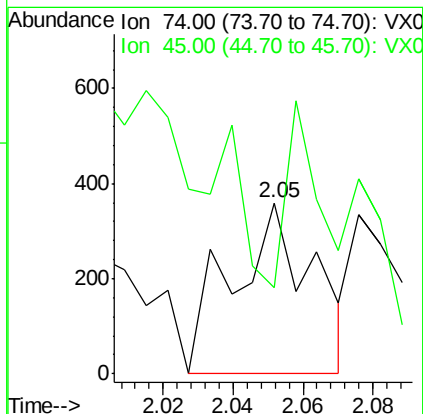
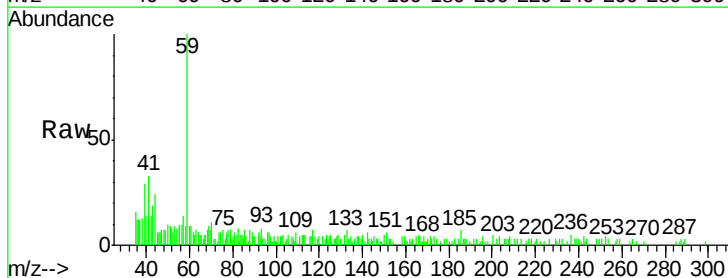
Tot Ion:101 Resp: 185
Ion Ratio Lower Upper
101 100
103 12.6 51.0 76.6#

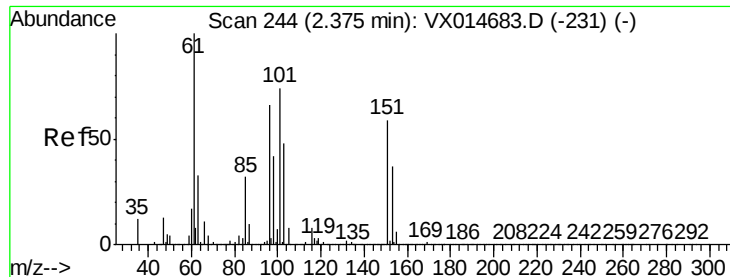


#8

Diethyl Ether
Concen: 234.890 ug/l
RT: 2.05 min Scan# 191
Delta R.T. -0.13 min
Lab File: VX014777.D
Acq: 31 Jan 2020 12:01

Tgt Ion: 74 Resp: 571
Ion Ratio Lower Upper
74 100
45 94.4 49.4 148.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 85.947 ug/l

RT: 2.26 min Scan# 225

Delta R.T. -0.12 min

Lab File: VX014777.D

Acq: 31 Jan 2020 12:01

Instrument :

MSVOA_X

ClientSampleId :

VX0131WBS01

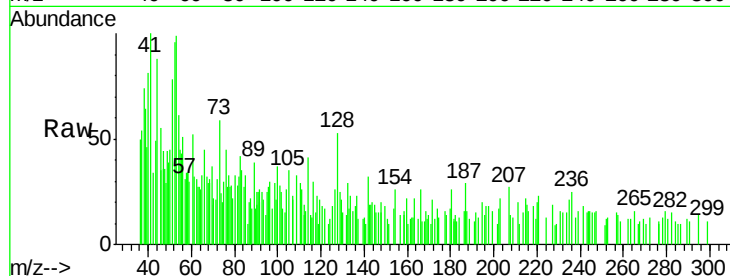
Tot Ion:101 Resp: 281

Ion Ratio Lower Upper

101 100

85 160.5 34.7 52.1#

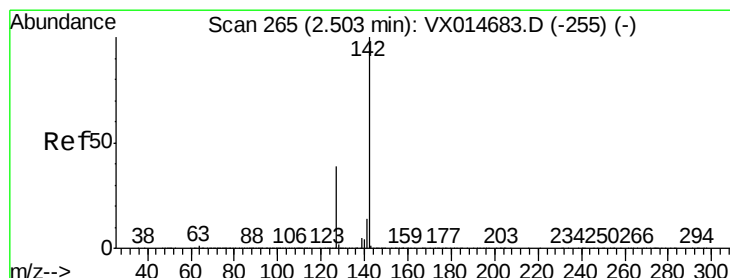
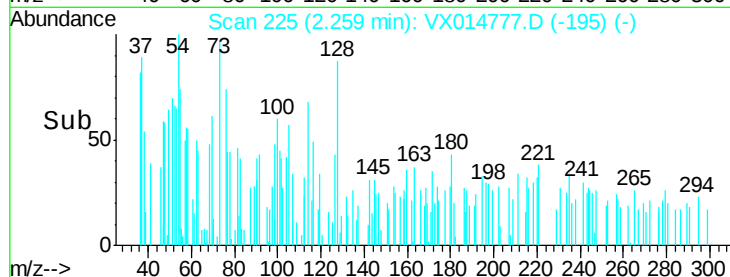
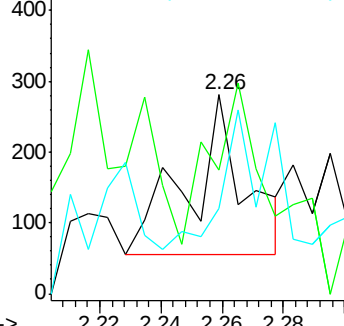
151 119.9 64.7 97.1#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 67.832 ug/l

RT: 2.41 min Scan# 249

Delta R.T. -0.10 min

Lab File: VX014777.D

Acq: 31 Jan 2020 12:01

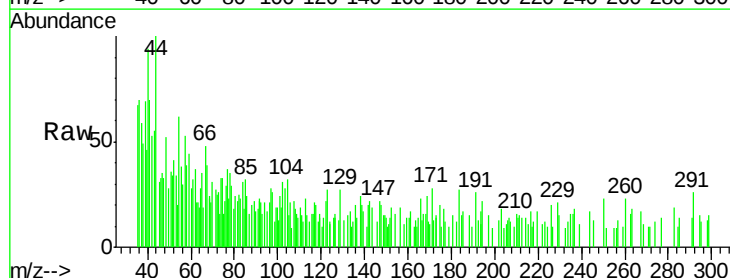
Tgt Ion:142 Resp: 291

Ion Ratio Lower Upper

142 100

127 0.0 31.1 46.7#

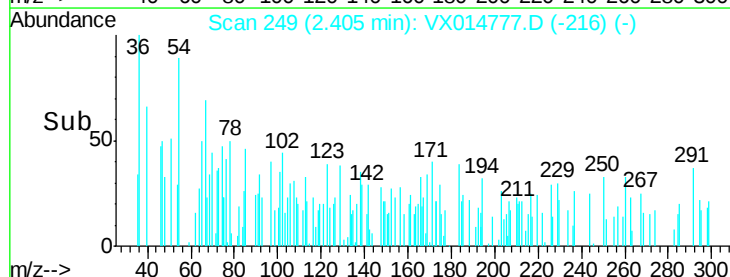
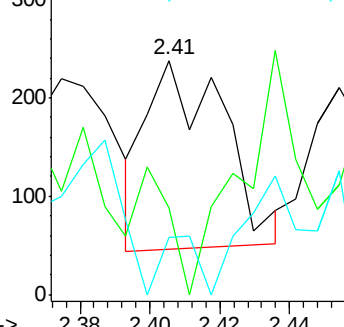
141 14.8 11.3 16.9

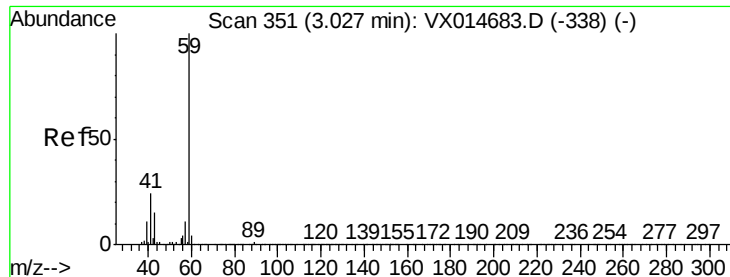


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



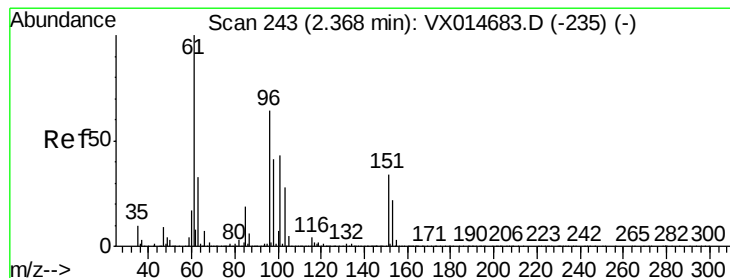
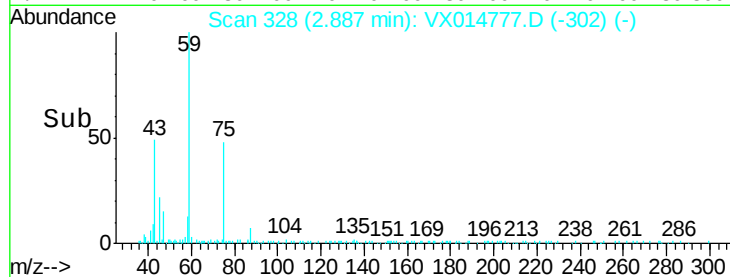
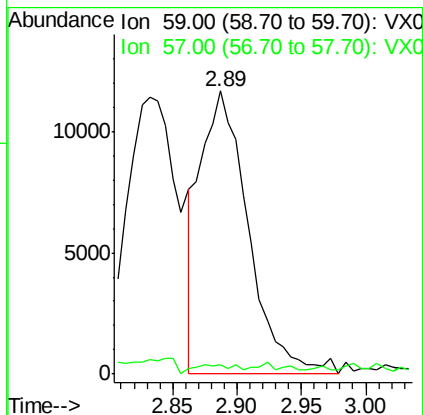
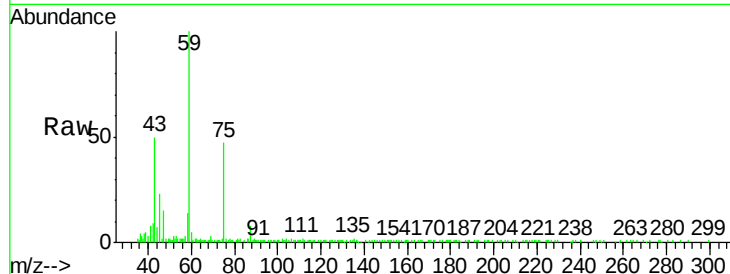


#11

Tert butyl alcohol
 Concen: 35381.426 ug/l
 RT: 2.89 min Scan# 328
 Delta R.T. -0.14 min
 Lab File: VX014777.D
 Acq: 31 Jan 2020 12:01

Instrument :
 MSVOA_X
 ClientSampled :
 VX0131WBS01

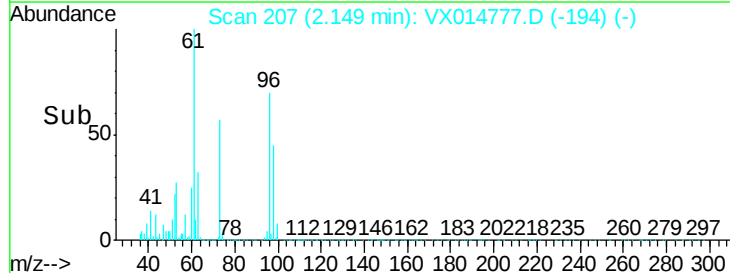
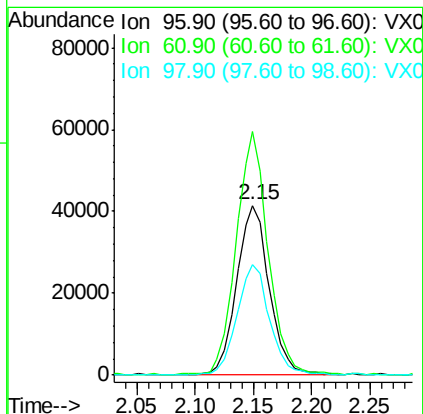
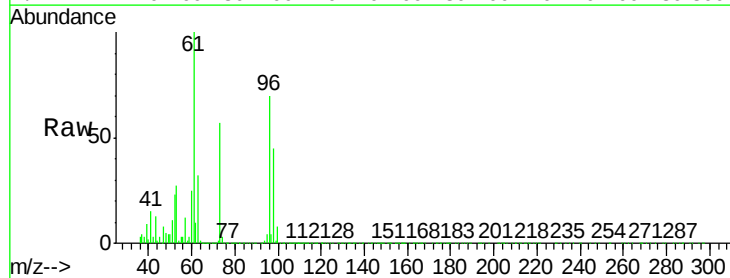
Tot Ion: 59 Resp: 30333
 Ion Ratio Lower Upper
 59 100
 57 1.1 8.3 12.5#

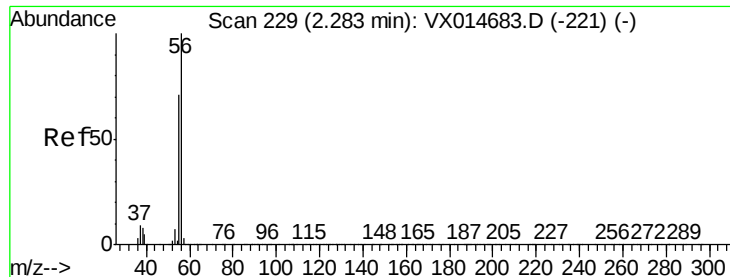


#12

1,1-Dichloroethene
 Concen: 24691.446 ug/l
 RT: 2.15 min Scan# 207
 Delta R.T. -0.22 min
 Lab File: VX014777.D
 Acq: 31 Jan 2020 12:01

Tgt Ion: 96 Resp: 80264
 Ion Ratio Lower Upper
 96 100
 61 142.7 125.8 188.8
 98 64.9 51.5 77.3





#13

Acrolein

Concen: 20049.660 ug/l

RT: 2.17 min Scan# 210

Delta R.T. -0.12 min

Lab File: VX014777.D

Acq: 31 Jan 2020 12:01

Instrument :

MSVOA_X

ClientSampleId :

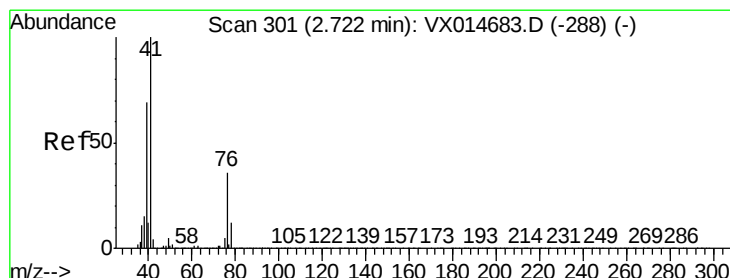
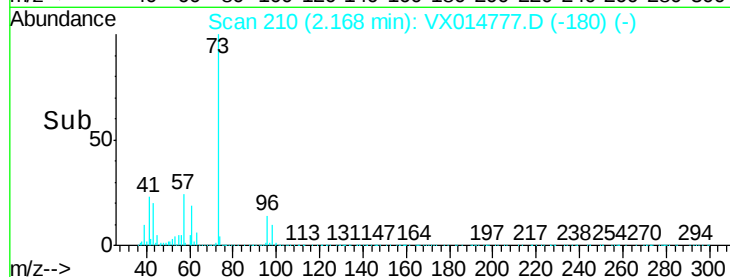
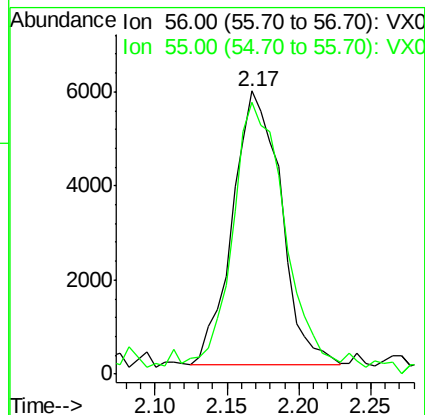
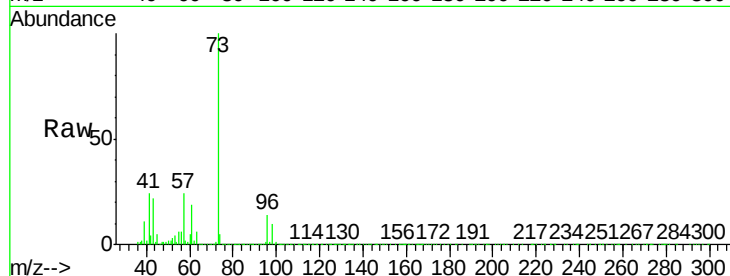
VX0131WBS01

Tot Ion: 56 Resp: 13553

Ion Ratio Lower Upper

56 100

55 97.2 56.6 84.8#



#14

Allyl chloride

Concen: 10092.123 ug/l

RT: 2.84 min Scan# 320

Delta R.T. 0.12 min

Lab File: VX014777.D

Acq: 31 Jan 2020 12:01

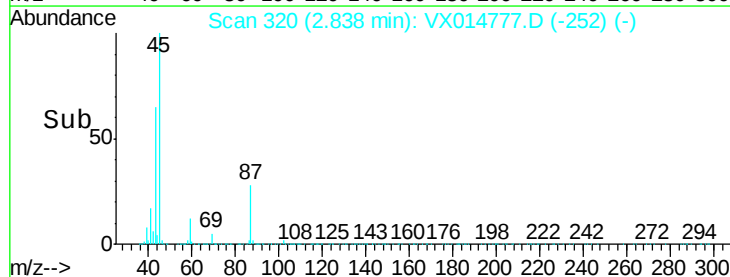
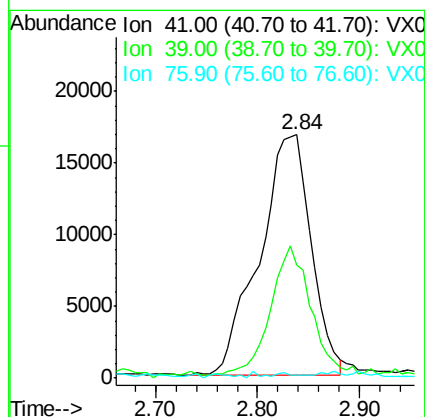
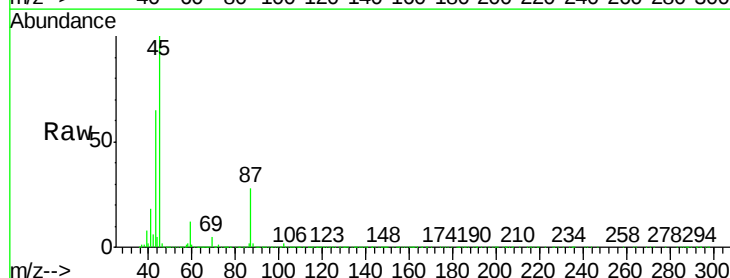
Tgt Ion: 41 Resp: 58967

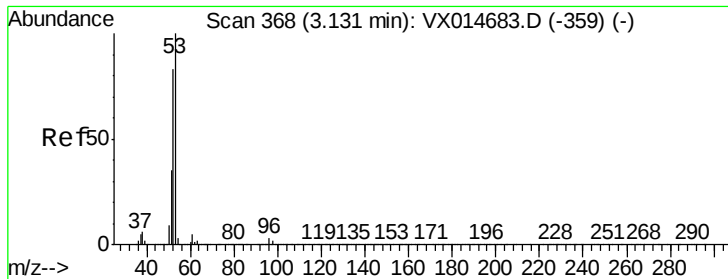
Ion Ratio Lower Upper

41 100

39 40.4 52.0 78.0#

76 0.3 26.0 39.0#





#15

Acrylonitrile

Concen: 51.925 ug/l

RT: 3.00 min Scan# 347

Delta R.T. -0.13 min

Lab File: VX014777.D

Acq: 31 Jan 2020 12:01

Instrument :

MSVOA_X

ClientSampled :

VX0131WBS01

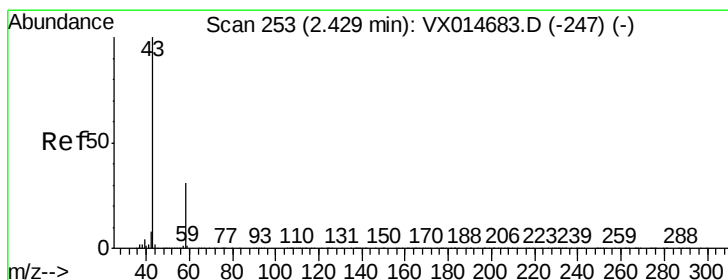
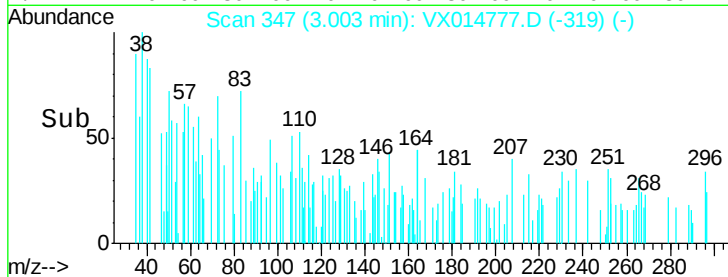
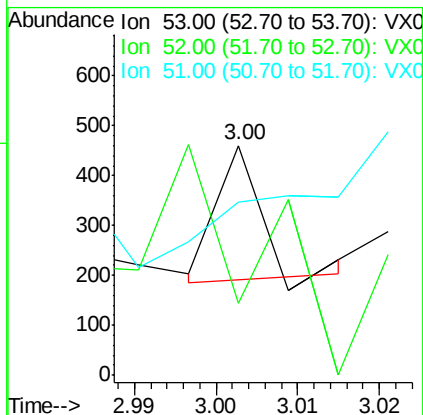
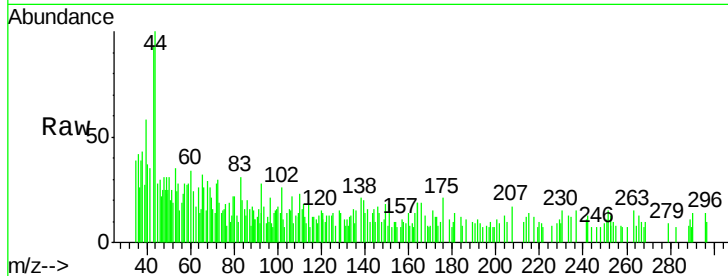
Tot Ion: 53 Resp: 103

Ion Ratio Lower Upper

53 100

52 493.2 66.4 99.6#

51 0.0 28.7 43.1#



#16

Acetone

Concen: 25514.718 ug/l

RT: 2.17 min Scan# 211

Delta R.T. -0.26 min

Lab File: VX014777.D

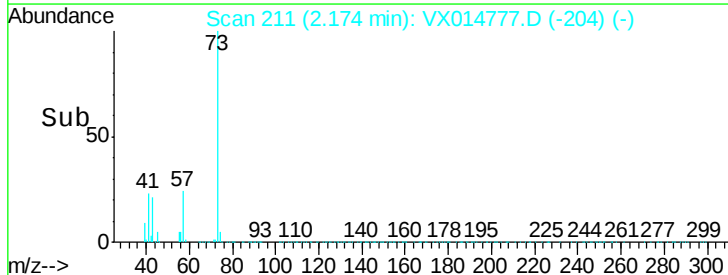
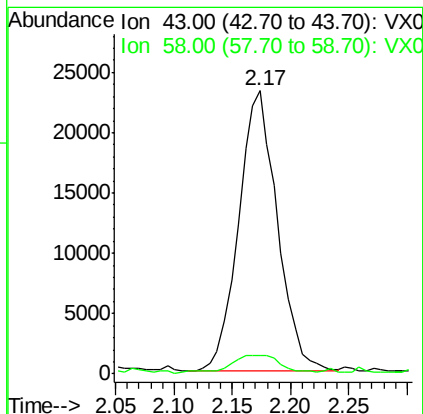
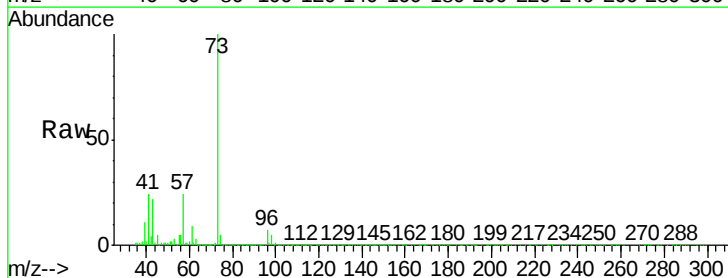
Acq: 31 Jan 2020 12:01

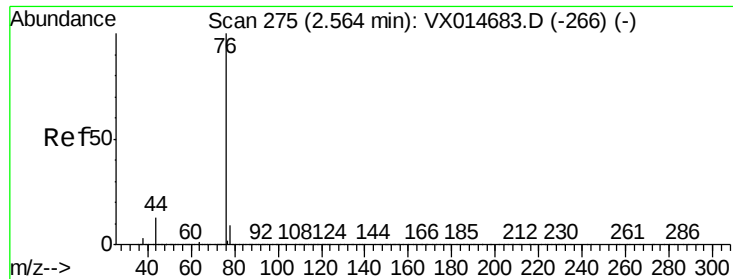
Tgt Ion: 43 Resp: 53430

Ion Ratio Lower Upper

43 100

58 5.9 24.5 36.7#

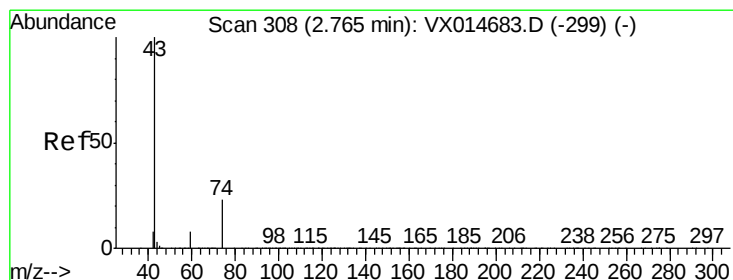
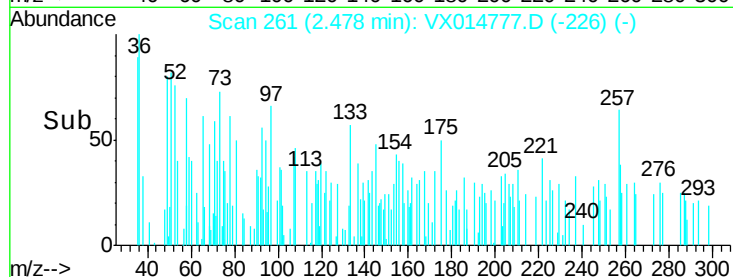
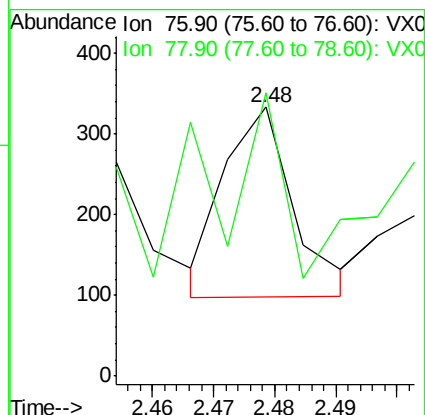
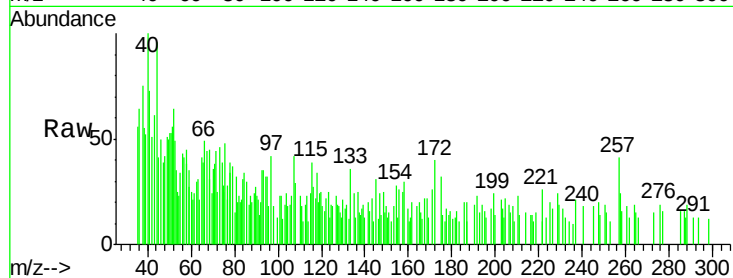




#17
Carbon Disulfide
Concen: 20.823 ug/l
RT: 2.48 min Scan# 261
Delta R.T. -0.09 min
Lab File: VX014777.D
Acq: 31 Jan 2020 12:01

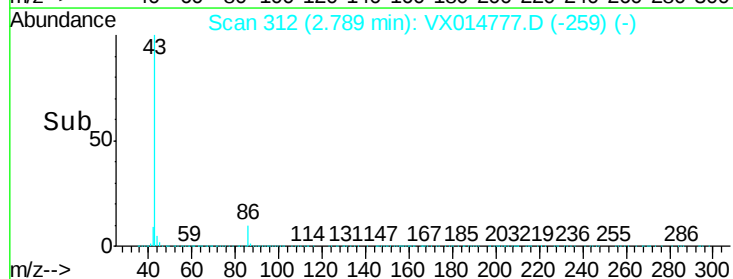
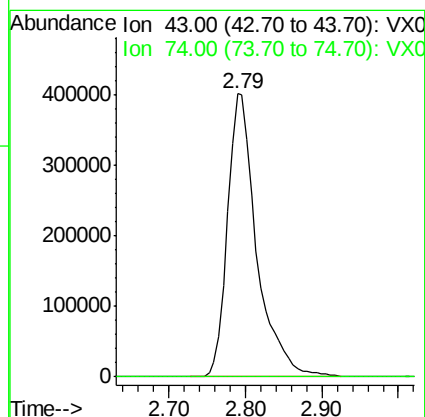
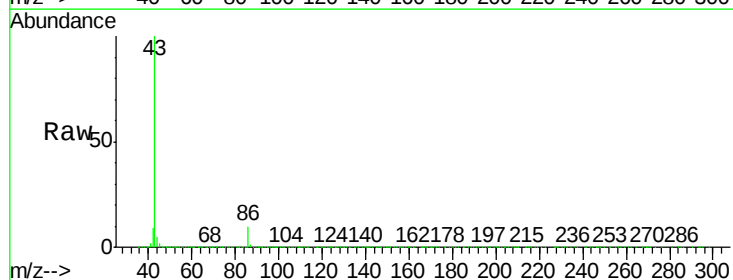
Instrument :
MSVOA_X
ClientSampleId :
VX0131WBS01

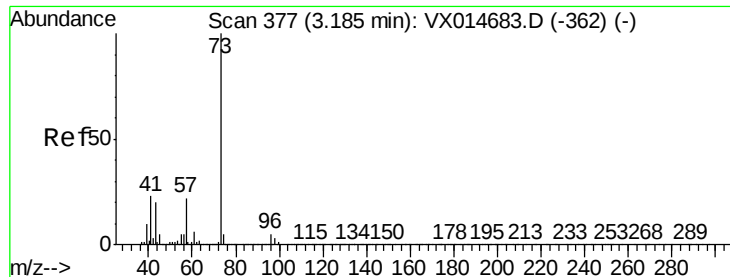
Tot Ion: 76 Resp: 185
Ion Ratio Lower Upper
76 100
78 78.9 7.2 10.8#



#18
Methyl Acetate
Concen: 177268.035 ug/l
RT: 2.79 min Scan# 312
Delta R.T. 0.02 min
Lab File: VX014777.D
Acq: 31 Jan 2020 12:01

Tgt Ion: 43 Resp: 1058975
Ion Ratio Lower Upper
43 100
74 0.0 18.5 27.7#



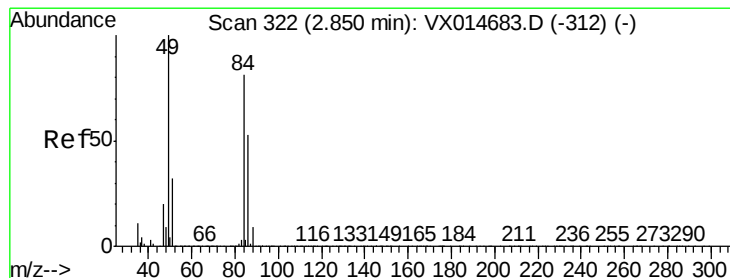
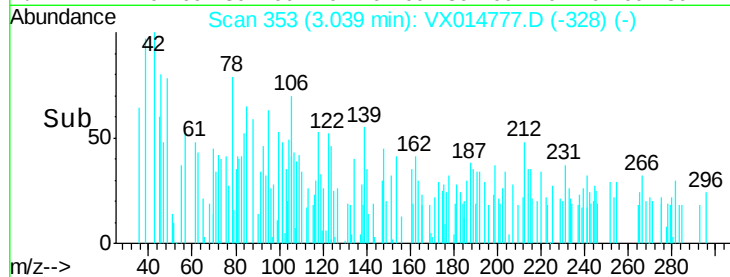
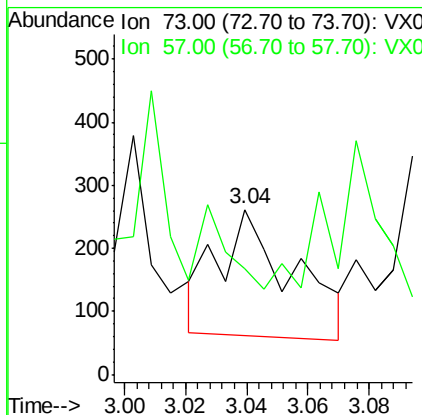
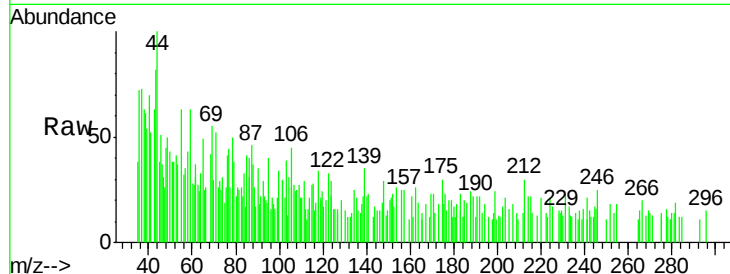


#19

Methyl tert-butyl Ether
 Concen: 31.651 ug/l
 RT: 3.04 min Scan# 353
 Delta R.T. -0.15 min
 Lab File: VX014777.D
 Acq: 31 Jan 2020 12:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0131WBS01

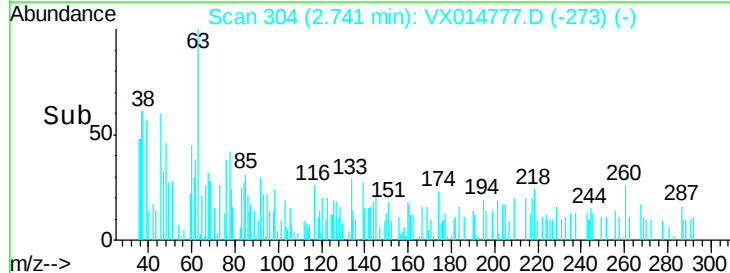
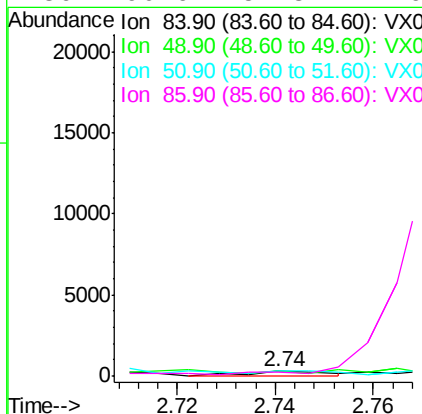
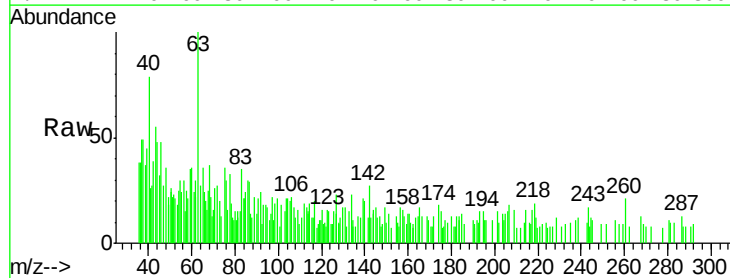
Tot Ion: 73 Resp: 337
 Ion Ratio Lower Upper
 73 100
 57 0.0 18.0 27.0#

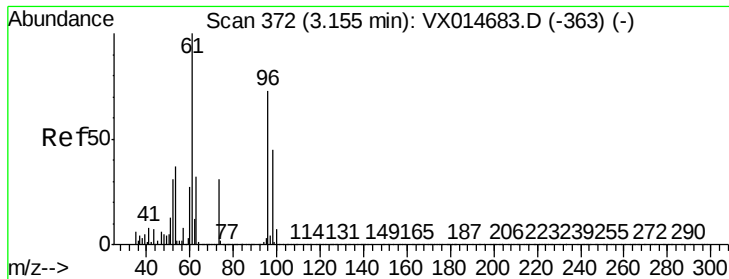


#20

Methylene Chloride
 Concen: 90.379 ug/l
 RT: 2.74 min Scan# 304
 Delta R.T. -0.11 min
 Lab File: VX014777.D
 Acq: 31 Jan 2020 12:01

Tgt Ion: 84 Resp: 350
 Ion Ratio Lower Upper
 84 100
 49 0.0 98.2 147.4#
 51 78.1 31.3 46.9#
 86 90.6 51.8 77.6#





#21

trans-1,2-Dichloroethene

Concen: 73.480 ug/l

RT: 3.01 min Scan# 349

Delta R.T. -0.14 min

Lab File: VX014777.D

Acq: 31 Jan 2020 12:01

Instrument :

MSVOA_X

ClientSampled :

VX0131WBS01

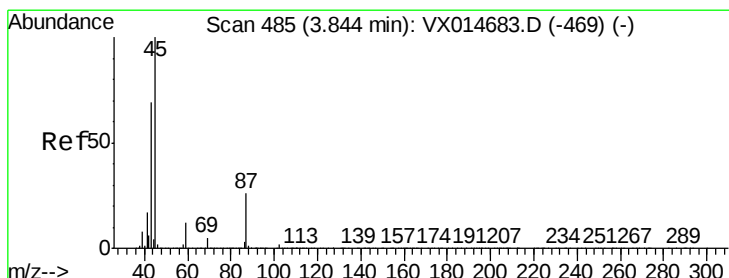
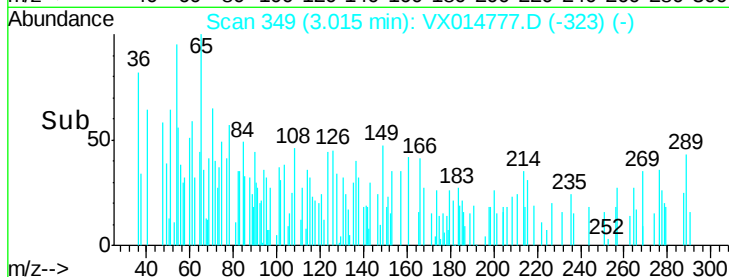
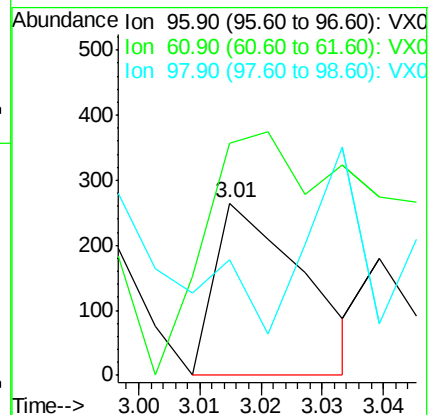
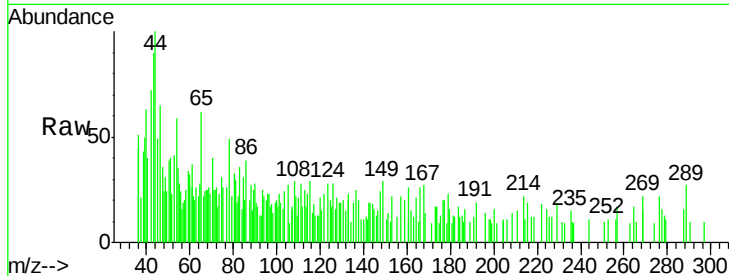
Tot Ion: 96 Resp: 263

Ion Ratio Lower Upper

96 100

61 123.0 109.8 164.6

98 0.0 49.6 74.4#



#22

Diisopropyl ether

Concen: 349.773 ug/l

RT: 3.65 min Scan# 453

Delta R.T. -0.19 min

Lab File: VX014777.D

Acq: 31 Jan 2020 12:01

Tgt Ion: 45 Resp: 4066

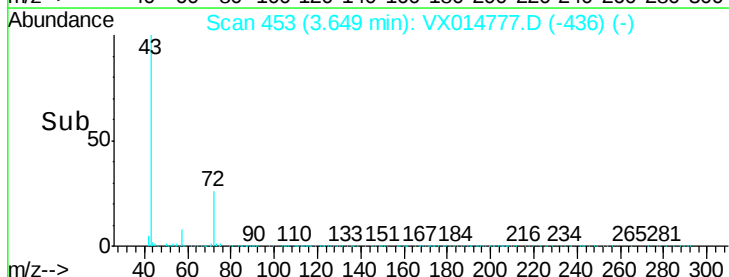
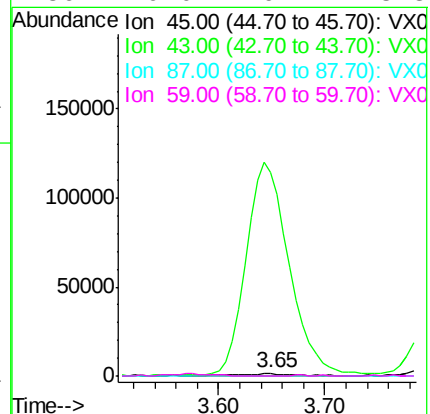
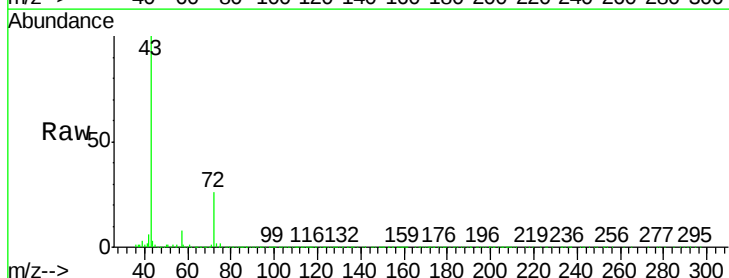
Ion Ratio Lower Upper

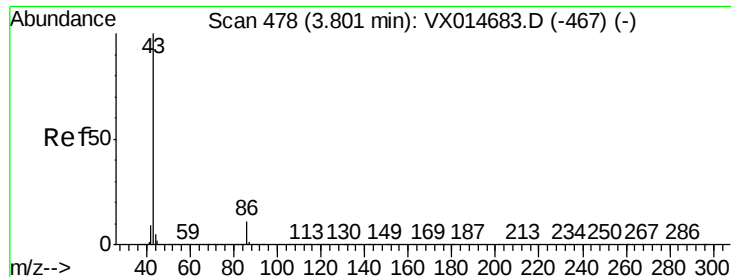
45 100

43 8100.7 55.1 82.7#

87 18.2 20.7 31.1#

59 0.0 9.2 13.8#





#23

Vinyl Acetate

Concen: 38179.276 ug/l

RT: 3.64 min Scan# 452

Delta R.T. -0.16 min

Lab File: VX014777.D

Acq: 31 Jan 2020 12:01

Instrument :

MSVOA_X

ClientSampled :

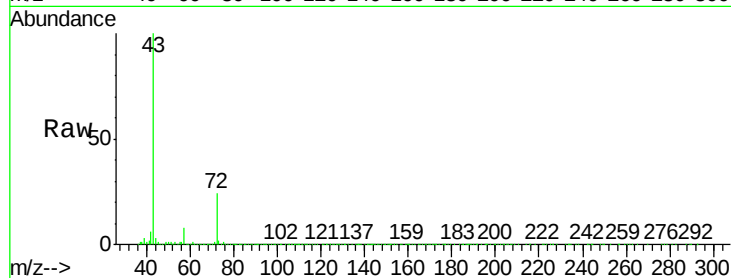
VX0131WBS01

Tot Ion: 43 Resp: 338322

Ion Ratio Lower Upper

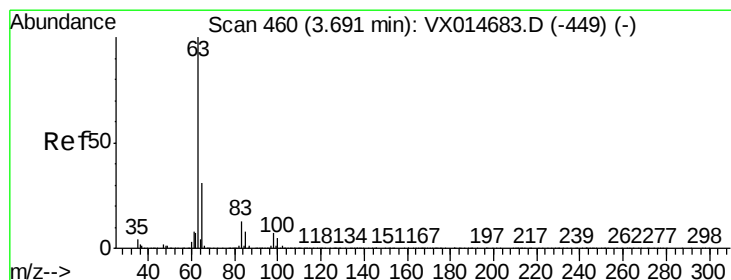
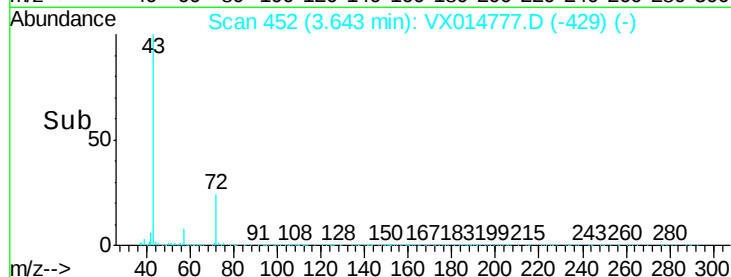
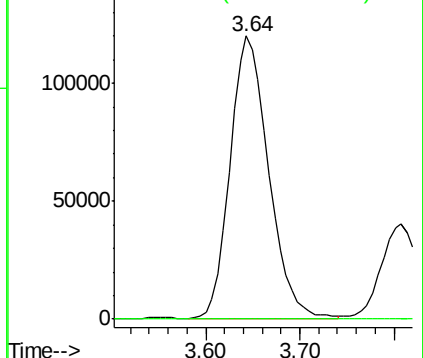
43 100

86 0.0 8.4 12.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 6760.579 ug/l

RT: 3.58 min Scan# 441

Delta R.T. -0.12 min

Lab File: VX014777.D

Acq: 31 Jan 2020 12:01

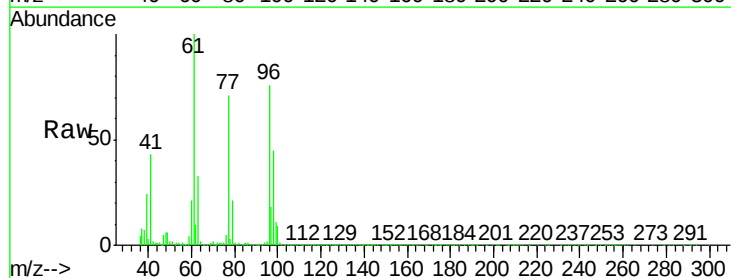
Tgt Ion: 63 Resp: 42680

Ion Ratio Lower Upper

63 100

98 137.4 3.6 10.8#

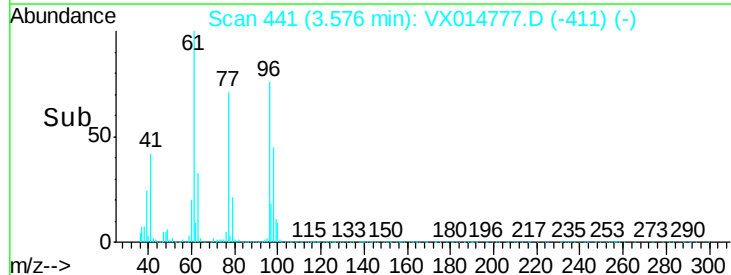
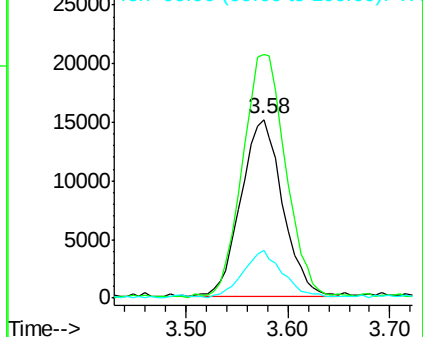
100 25.7 2.2 6.6#

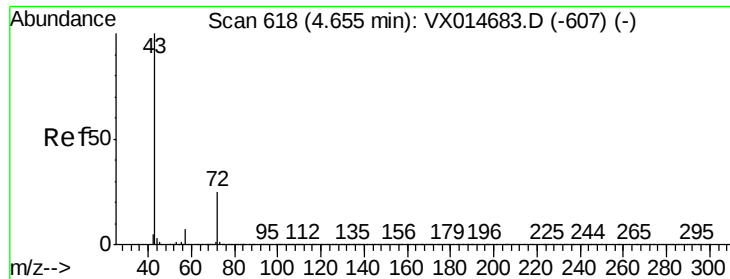


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

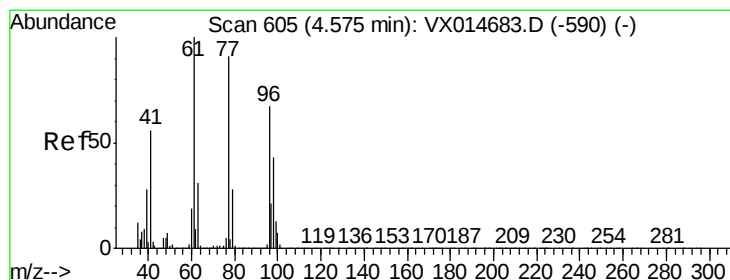
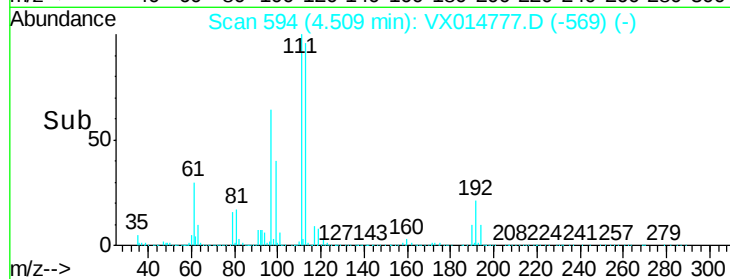
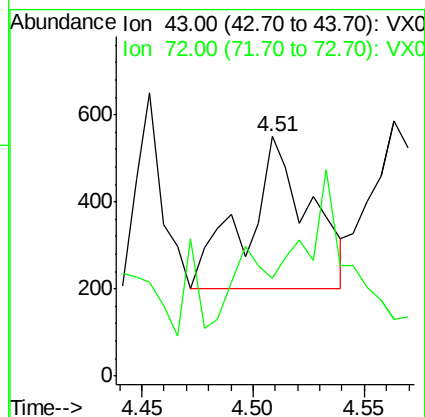
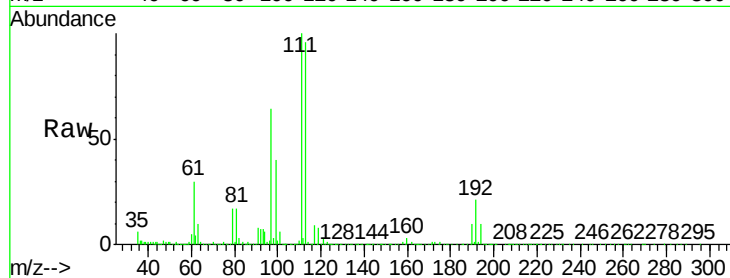




#25
2-Butanone
Concen: 231.114 ug/l
RT: 4.51 min Scan# 594
Delta R.T. -0.15 min
Lab File: VX014777.D
Acq: 31 Jan 2020 12:01

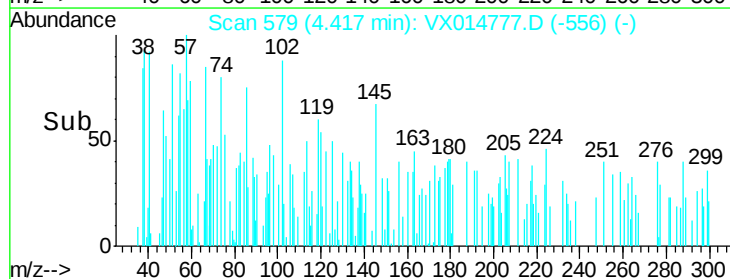
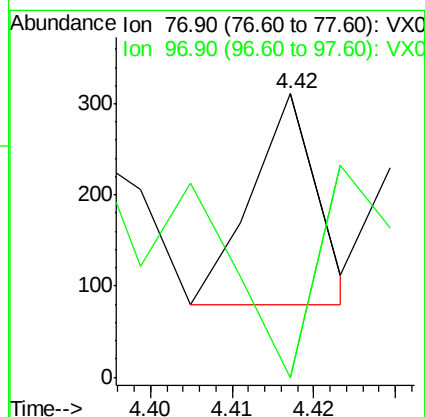
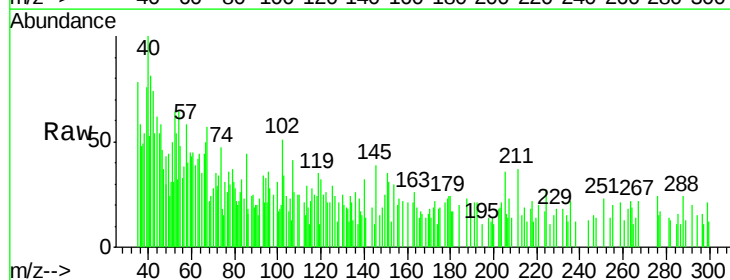
Instrument :
MSVOA_X
ClientSampleId :
VX0131WBS01

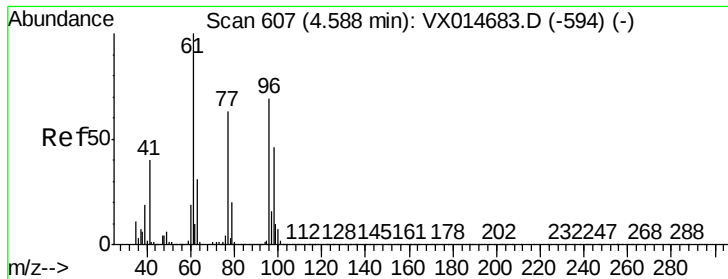
Tot Ion: 43 Resp: 693
Ion Ratio Lower Upper
43 100
72 42.7 19.9 29.9#



#26
2,2-Dichloropropane
Concen: 25.529 ug/l
RT: 4.42 min Scan# 579
Delta R.T. -0.16 min
Lab File: VX014777.D
Acq: 31 Jan 2020 12:01

Tgt Ion: 77 Resp: 129
Ion Ratio Lower Upper
77 100
97 0.0 11.8 35.3#



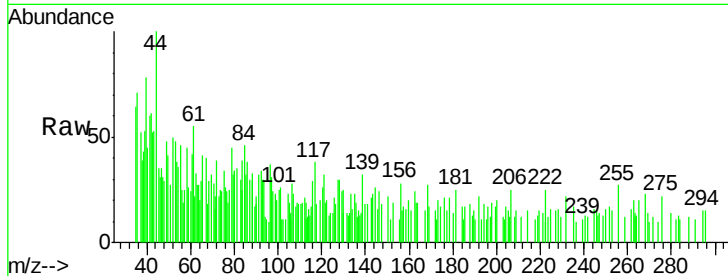


#27

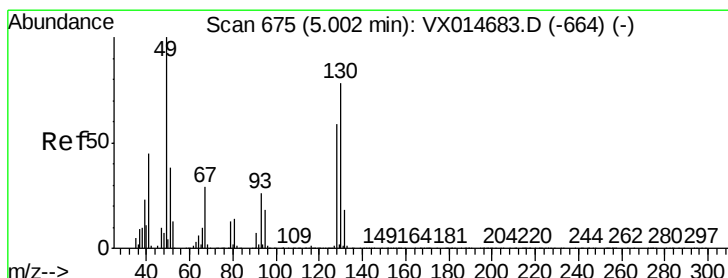
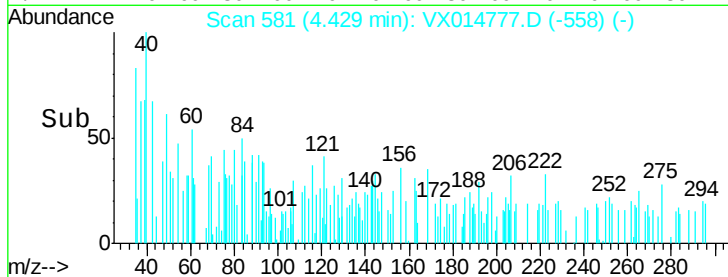
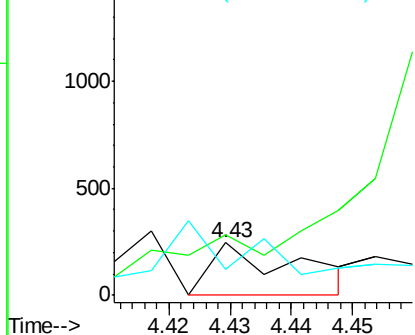
cis-1,2-Dichloroethene
Concen: 59.414 ug/l
RT: 4.43 min Scan# 581
Delta R.T. -0.16 min
Lab File: VX014777.D
Acq: 31 Jan 2020 12:01

Instrument :
MSVOA_X
ClientSampled :
VX0131WBS01

Tot Ion	96	Resp	238
Ion	Ratio	Lower	Upper
96	100		
61	0.0	0.0	291.0
98	85.3	0.0	129.8



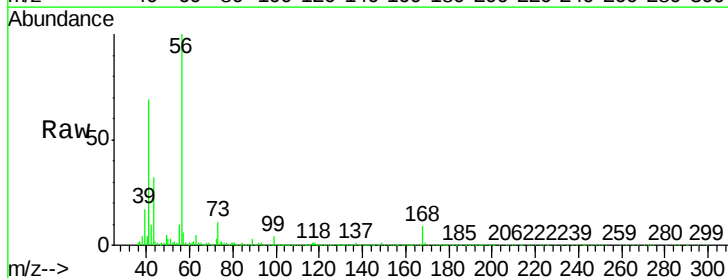
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



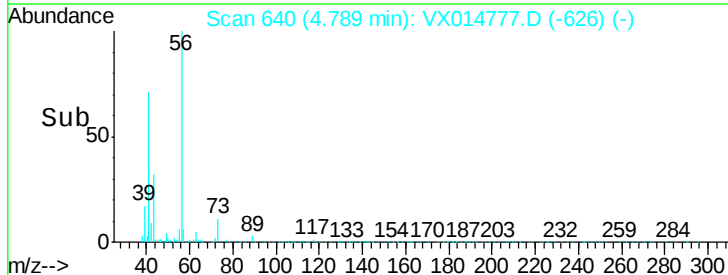
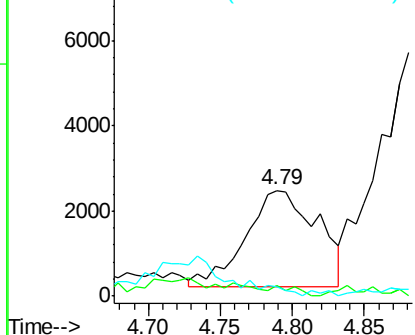
#28

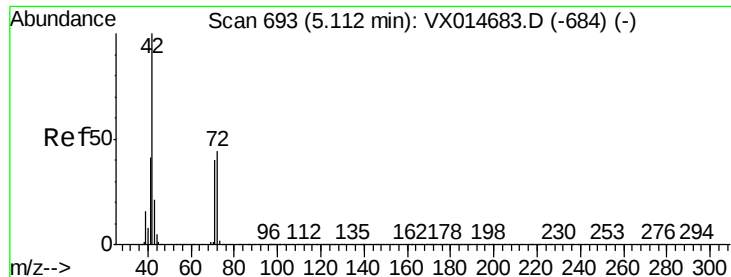
Bromochloromethane
Concen: 2850.937 ug/l
RT: 4.79 min Scan# 640
Delta R.T. -0.21 min
Lab File: VX014777.D
Acq: 31 Jan 2020 12:01

Tgt Ion	49	Resp	7909
Ion	Ratio	Lower	Upper
49	100		
129	3.5	0.0	4.8
130	0.0	62.4	93.6#



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 9909.670 ug/l

RT: 4.80 min Scan# 641

Delta R.T. -0.32 min

Lab File: VX014777.D

Acq: 31 Jan 2020 12:01

Instrument :

MSVOA_X

ClientSampleId :

VX0131WBS01

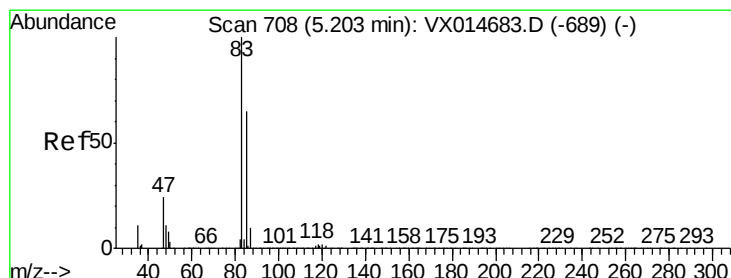
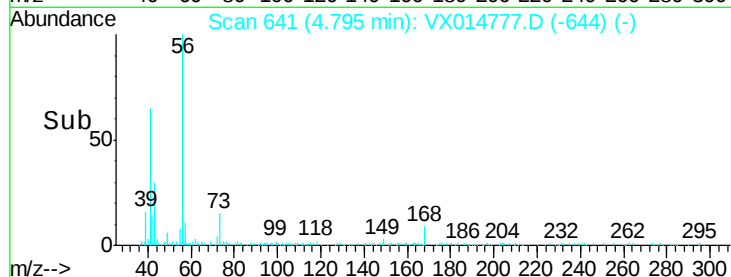
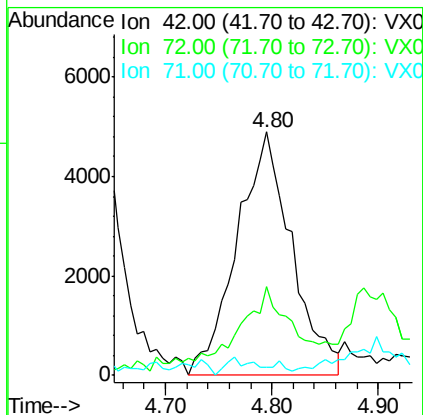
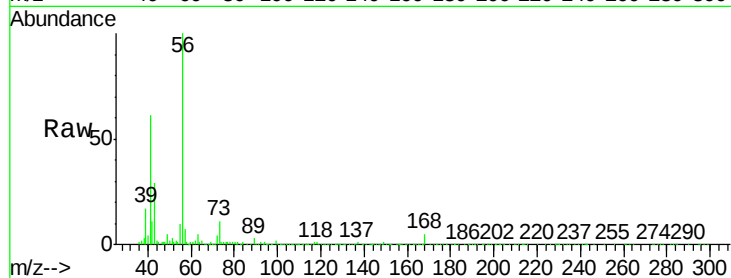
Tot Ion: 42 Resp: 17636

Ion Ratio Lower Upper

42 100

72 34.4 35.3 52.9#

71 0.6 33.1 49.7#



#30

Chloroform

Concen: 83.309 ug/l

RT: 5.06 min Scan# 685

Delta R.T. -0.14 min

Lab File: VX014777.D

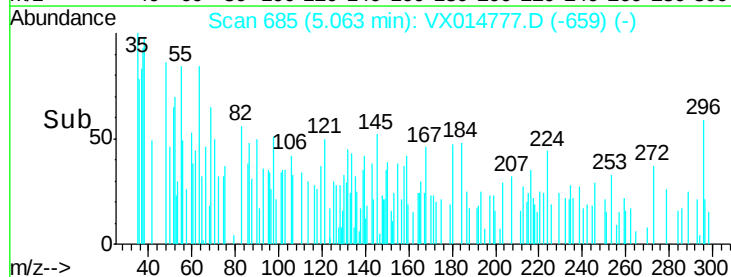
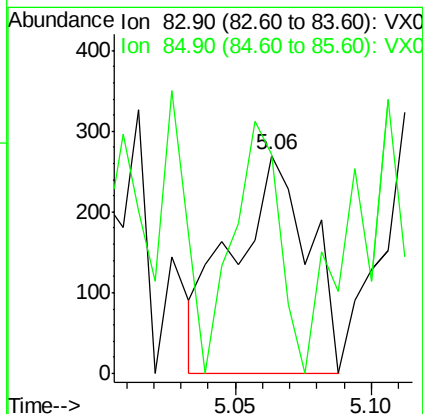
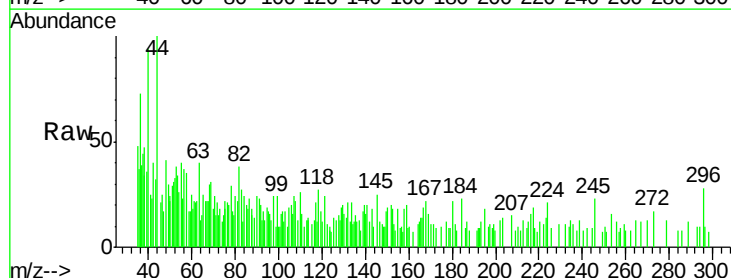
Acq: 31 Jan 2020 12:01

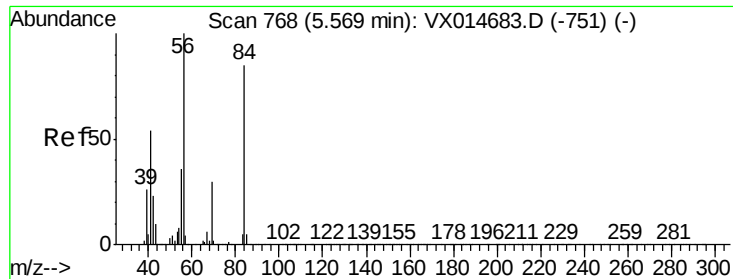
Tgt Ion: 83 Resp: 521

Ion Ratio Lower Upper

83 100

85 62.6 51.7 77.5

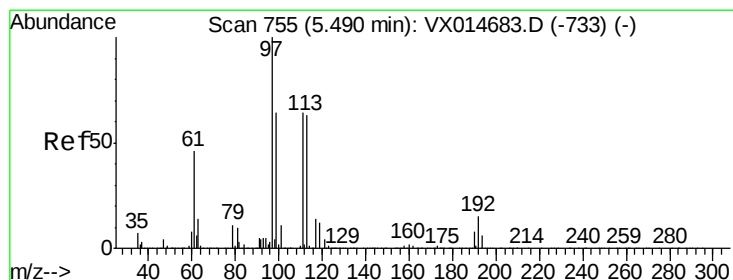
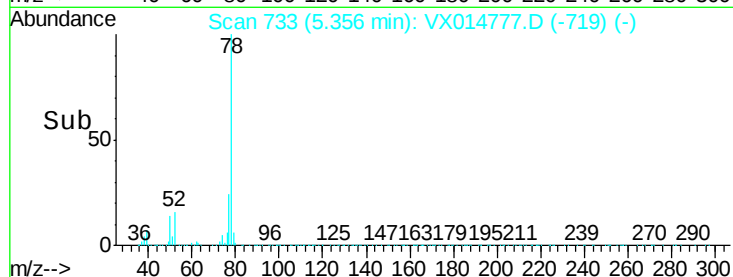
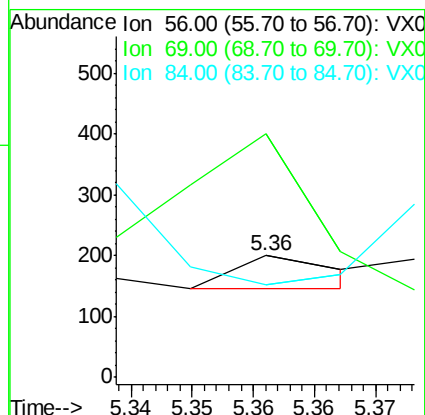
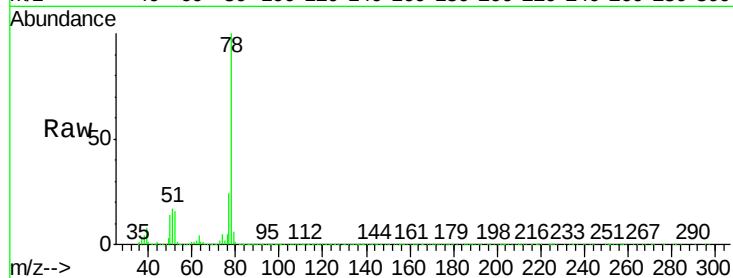




#31
Cyclohexane
Concen: 5.389 ug/l
RT: 5.36 min Scan# 733
Delta R.T. -0.21 min
Lab File: VX014777.D
Acq: 31 Jan 2020 12:01

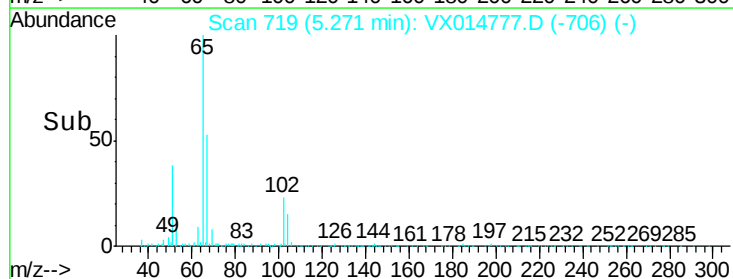
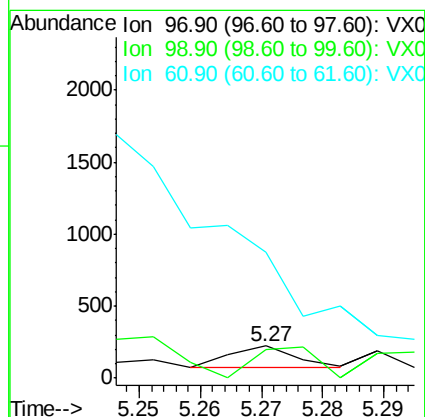
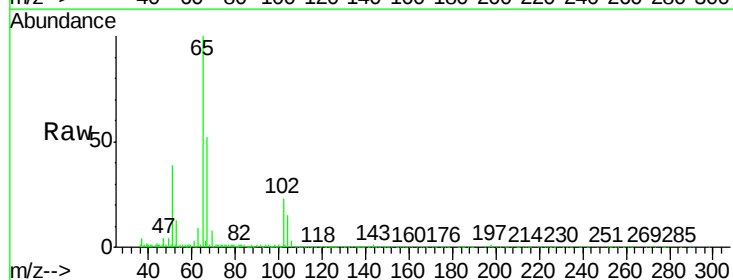
Instrument :
MSVOA_X
ClientSampled :
VX0131WBS01

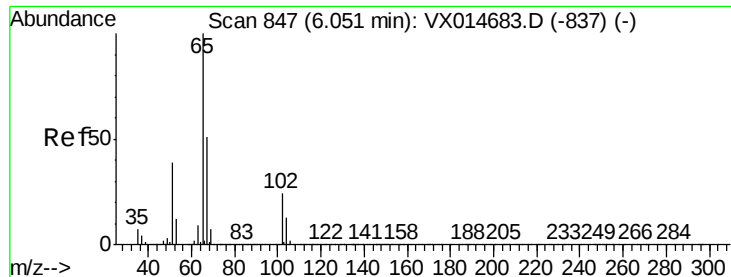
Tot Ion: 56 Resp: 32
Ion Ratio Lower Upper
56 100
69 152.7 23.4 35.2#
84 0.0 68.4 102.6#



#32
1,1,1-Trichloroethane
Concen: 20.241 ug/l
RT: 5.27 min Scan# 719
Delta R.T. -0.22 min
Lab File: VX014777.D
Acq: 31 Jan 2020 12:01

Tgt Ion: 97 Resp: 107
Ion Ratio Lower Upper
97 100
99 140.2 52.3 78.5#
61 0.0 37.2 55.8#





#33

1,2-Dichloroethane-d4

Concen: 208.454 ug/l

RT: 5.81 min Scan# 808

Delta R.T. -0.24 min

Lab File: VX014777.D

Acq: 31 Jan 2020 12:01

Instrument :

MSVOA_X

ClientSampleId :

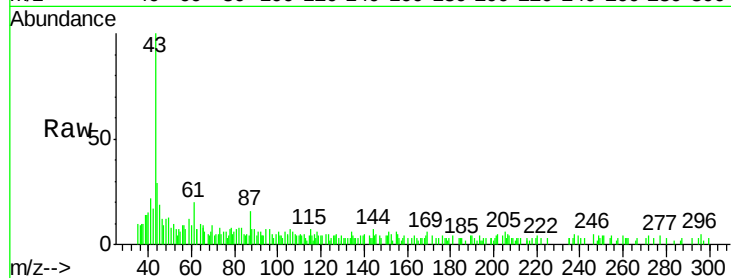
VX0131WBS01

Tot Ion: 65 Resp: 796

Ion Ratio Lower Upper

65 100

67 30.5 0.0 107.4

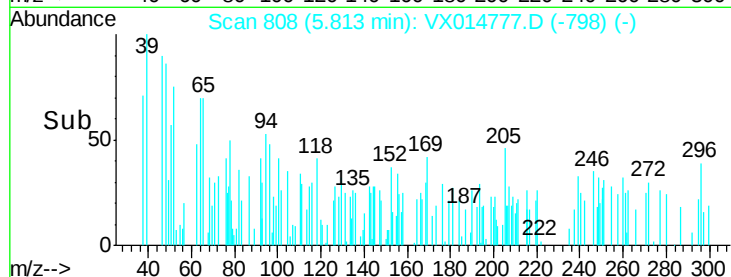


Abundance Ion 64.90 (64.60 to 65.60): VX0

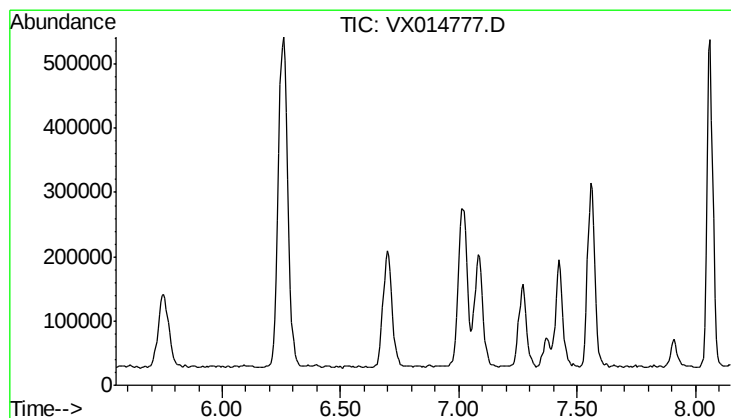
Ion 66.90 (66.60 to 67.60): VX0

5.81

5.76 5.78 5.80 5.82 5.84



Time-->



#34

1,4-Difluorobenzene

Concen: 0.000 ug/l

Expected RT: 6.85 min

Lab File: VX014777.D

Acq: 31 Jan 2020 12:01

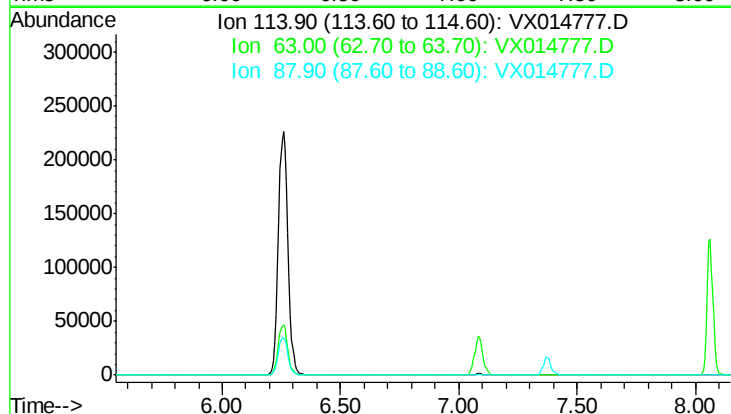
Tgt Ion: 114

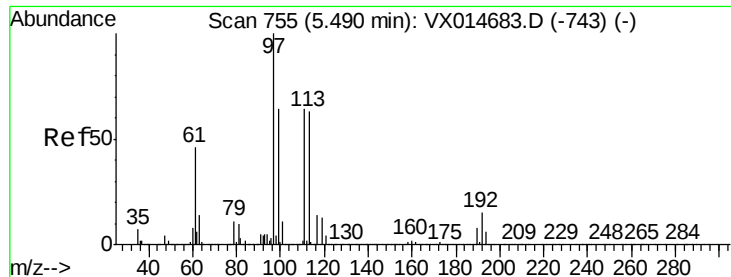
Sig Exp Ratio

114 100

63 20.3

88 15.6

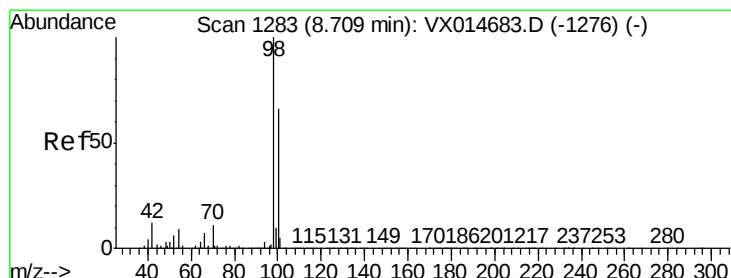
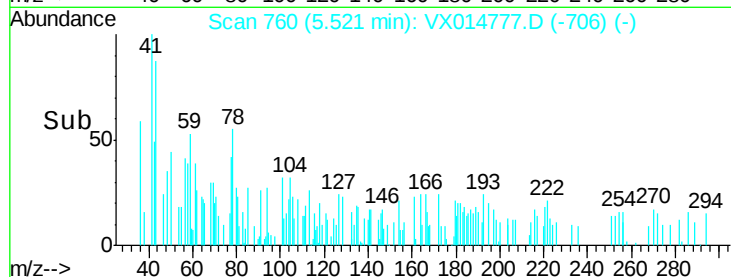
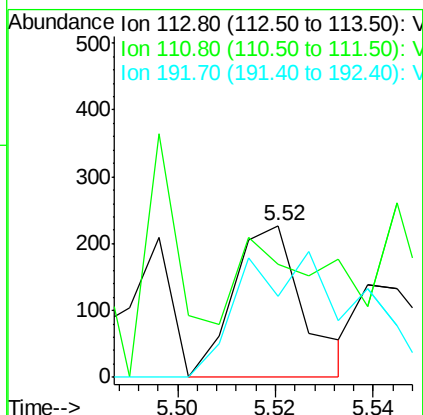
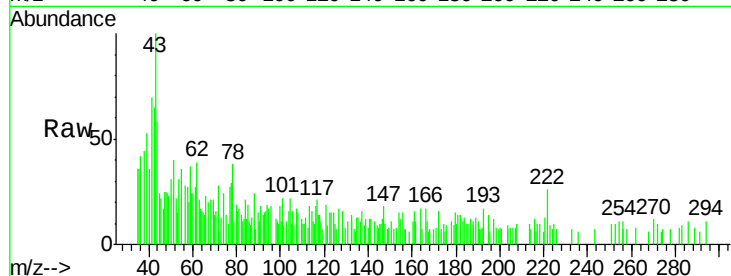




#35
Dibromofluoromethane
Concen: 0.000 ug/l
RT: 5.52 min Scan# 760
Delta R.T. 0.03 min
Lab File: VX014777.D
Acq: 31 Jan 2020 12:01

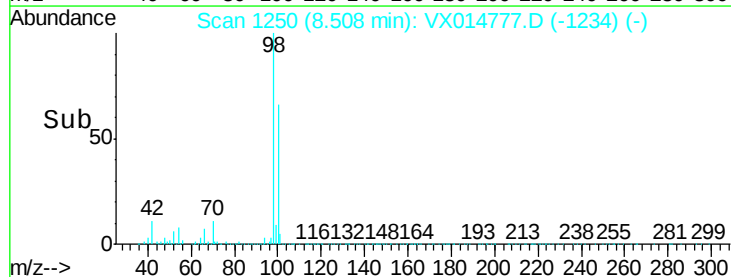
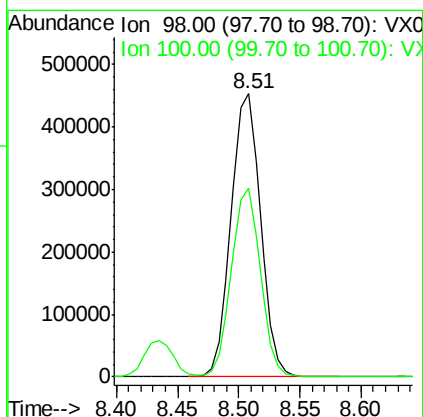
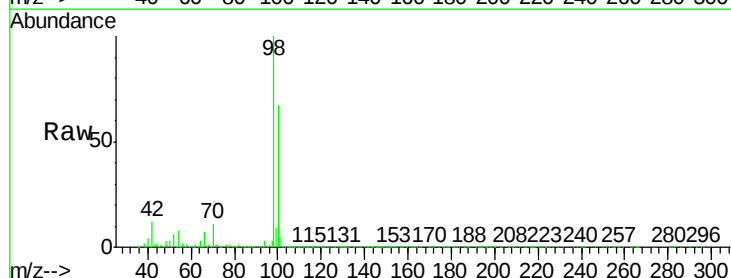
Instrument :
MSVOA_X
ClientSampleId :
VX0131WBS01

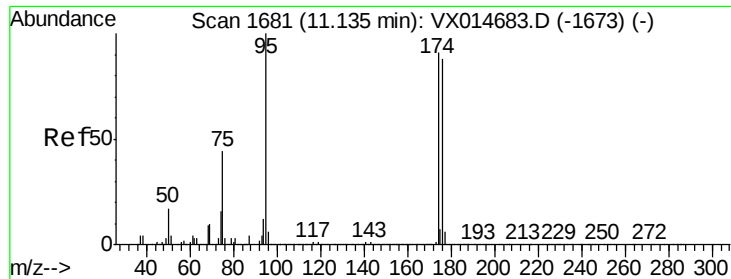
Tot Ion:113 Resp: 225
Ion Ratio Lower Upper
113 100
111 47.6 80.7 121.1#
192 135.6 18.5 27.7#



#50
Toluene-d8
Concen: 0.000 ug/l
RT: 8.51 min Scan# 1250
Delta R.T. -0.20 min
Lab File: VX014777.D
Acq: 31 Jan 2020 12:01

Tgt Ion: 98 Resp: 756607
Ion Ratio Lower Upper
98 100
100 65.4 53.0 79.6

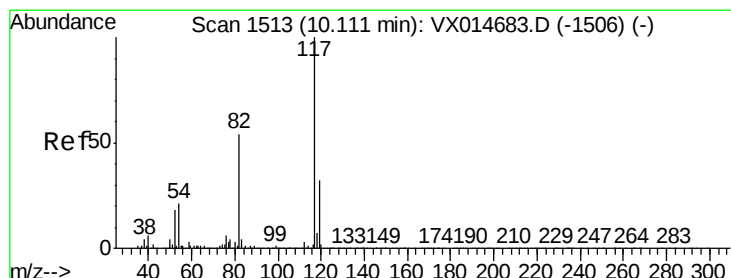
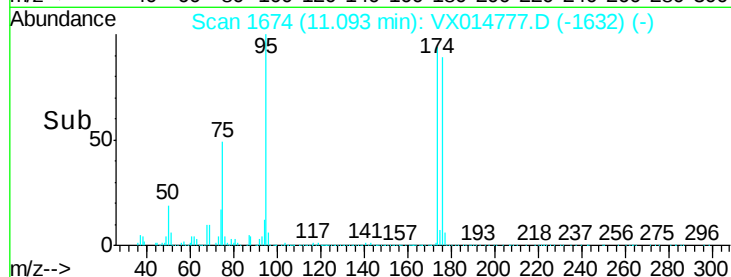
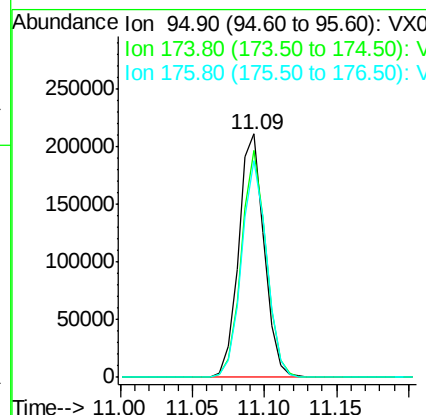
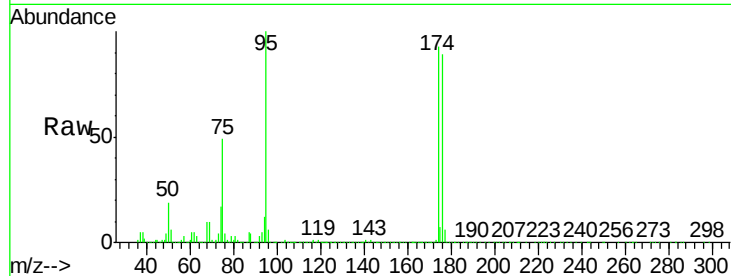




#62
4-Bromofluorobenzene
Concen: 0.000 ug/l
RT: 11.09 min Scan# 1674
Delta R.T. -0.04 min
Lab File: VX014777.D
Acq: 31 Jan 2020 12:01

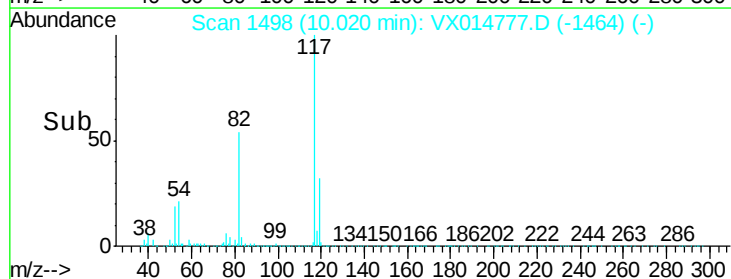
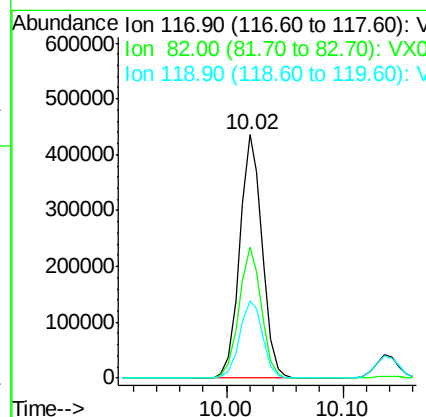
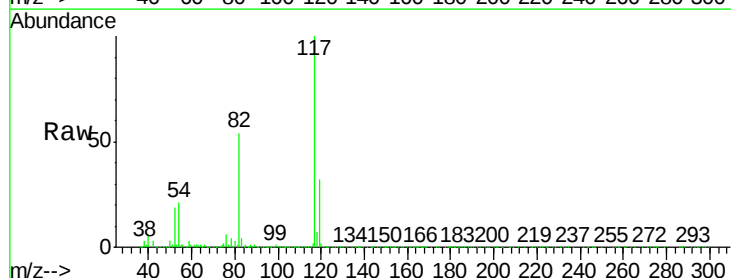
Instrument :
MSVOA_X
ClientSampleId :
VX0131WBS01

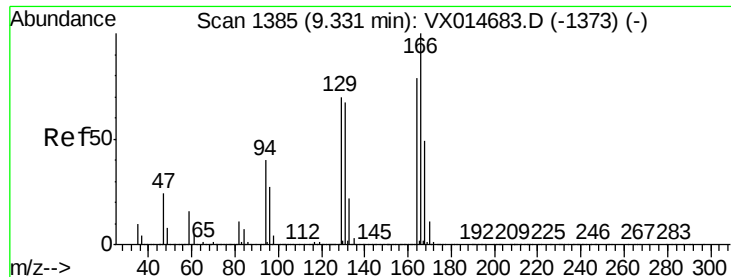
Tot Ion: 95 Resp: 261016
Ion Ratio Lower Upper
95 100
174 90.5 0.0 176.0
176 87.4 0.0 172.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.02 min Scan# 1498
Delta R.T. -0.09 min
Lab File: VX014777.D
Acq: 31 Jan 2020 12:01

Tgt Ion: 117 Resp: 582940
Ion Ratio Lower Upper
117 100
82 54.0 43.2 64.8
119 31.9 25.8 38.6

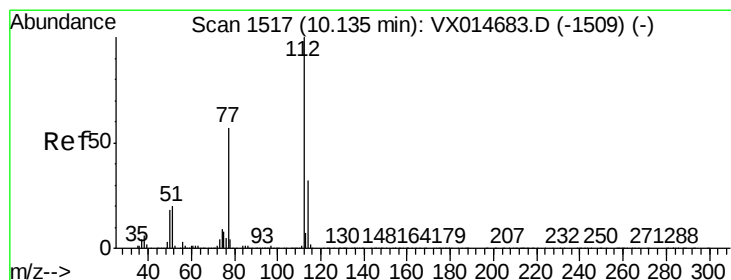
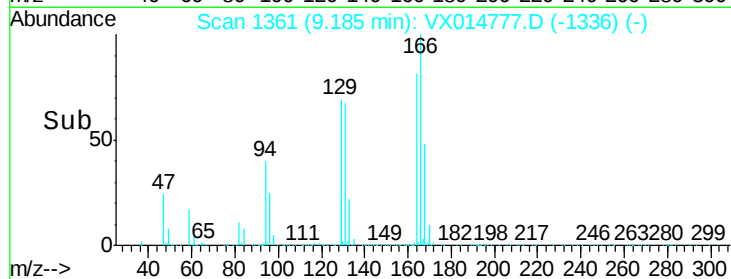
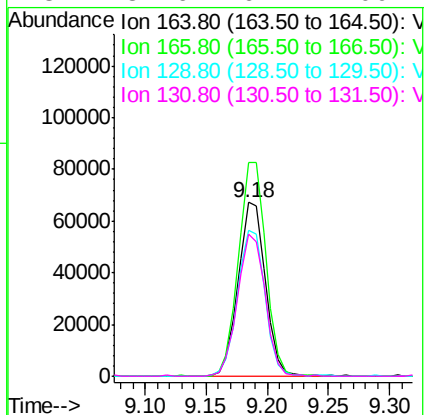
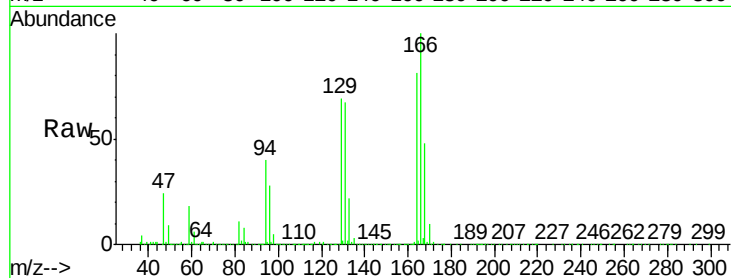




#64
Tetrachloroethene
Concen: 17.797 ug/l
RT: 9.18 min Scan# 1361
Delta R.T. -0.15 min
Lab File: VX014777.D
Acq: 31 Jan 2020 12:01

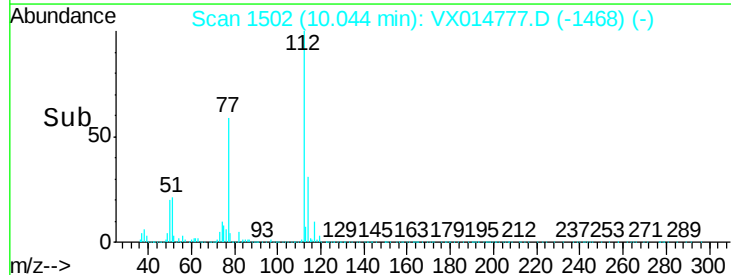
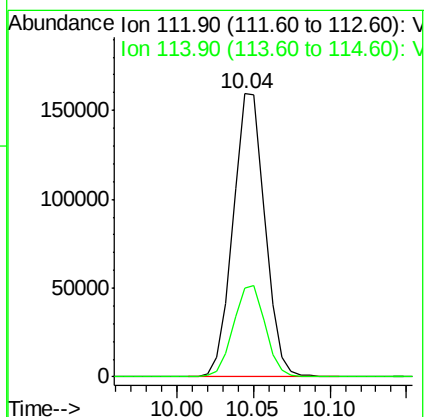
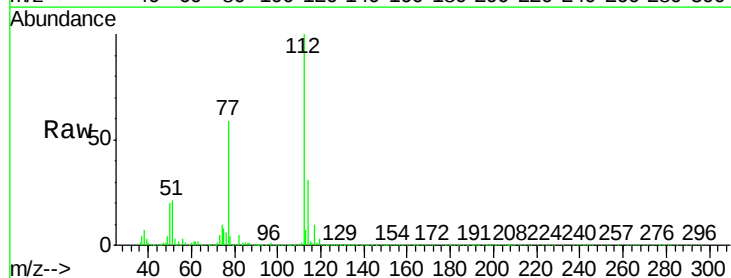
Instrument :
MSVOA_X
ClientSampleId :
VX0131WBS01

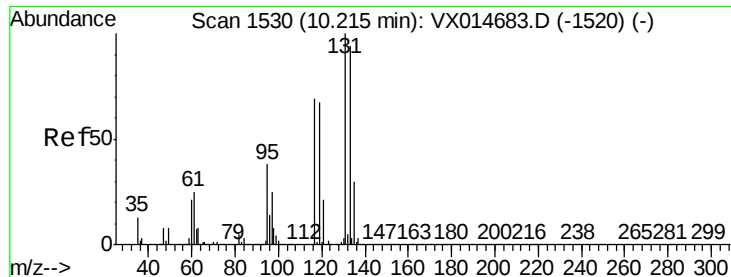
Tot Ion	Ratio	Lower	Upper
164	100		
166	122.7	100.9	151.3
129	84.2	71.0	106.6
131	81.6	67.1	100.7



#65
Chlorobenzene
Concen: 18.483 ug/l
RT: 10.04 min Scan# 1502
Delta R.T. -0.09 min
Lab File: VX014777.D
Acq: 31 Jan 2020 12:01

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.2	25.8	38.8

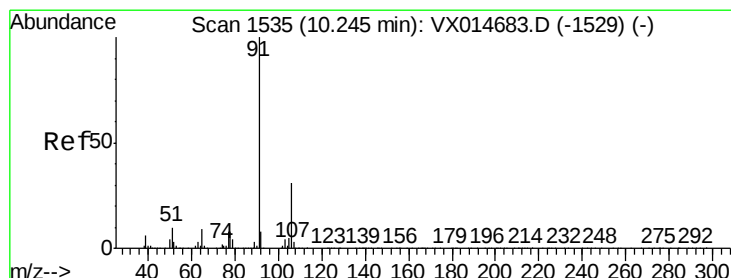
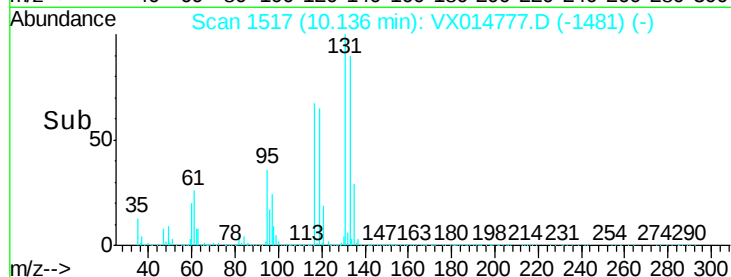
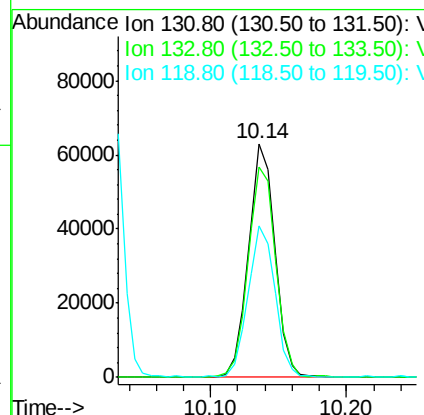
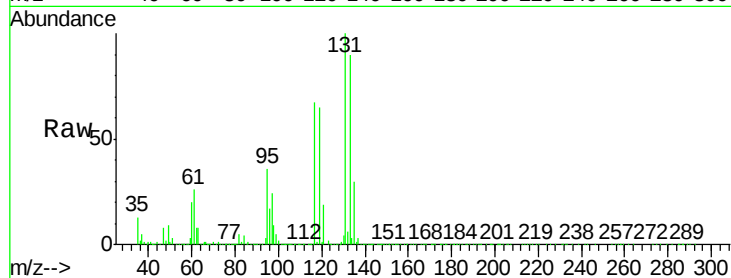




#66
 1,1,1,2-Tetrachloroethane
 Concen: 18.680 ug/l
 RT: 10.14 min Scan# 1517
 Delta R.T. -0.08 min
 Lab File: VX014777.D
 Acq: 31 Jan 2020 12:01

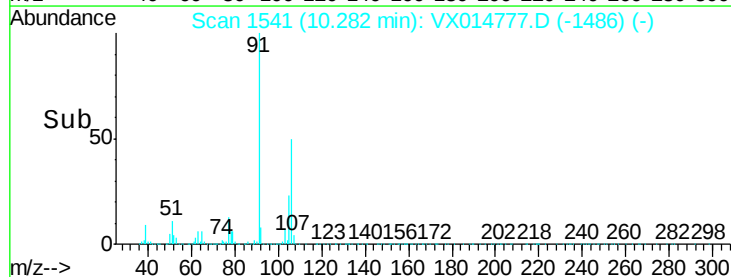
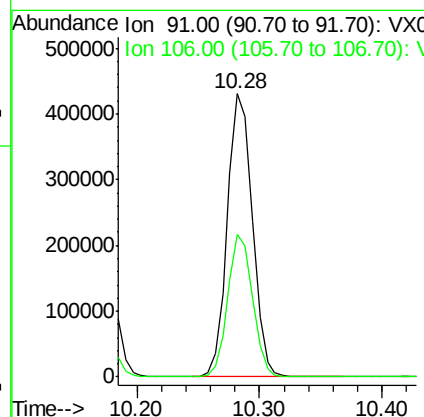
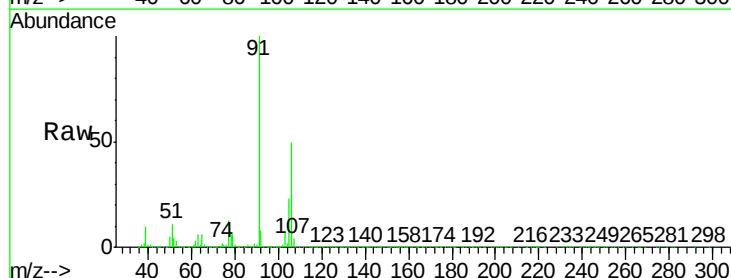
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0131WBS01

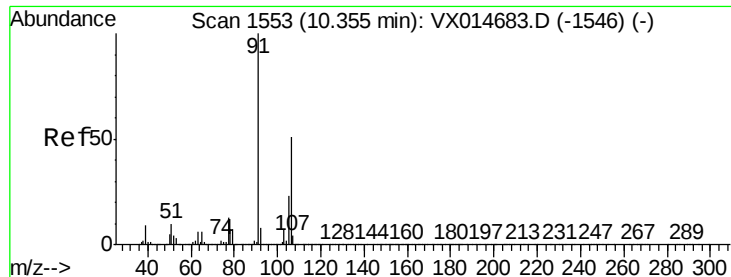
Tot Ion:131 Resp: 85876
 Ion Ratio Lower Upper
 131 100
 133 94.8 47.4 142.3
 119 65.7 33.3 99.8



#67
 Ethyl Benzene
 Concen: 28.660 ug/l
 RT: 10.28 min Scan# 1541
 Delta R.T. 0.04 min
 Lab File: VX014777.D
 Acq: 31 Jan 2020 12:01

Tgt Ion: 91 Resp: 610188
 Ion Ratio Lower Upper
 91 100
 106 50.3 24.9 37.3#

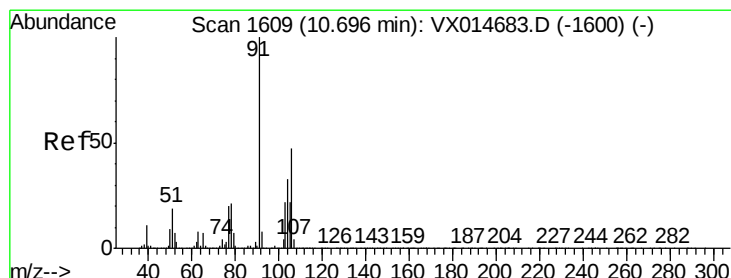
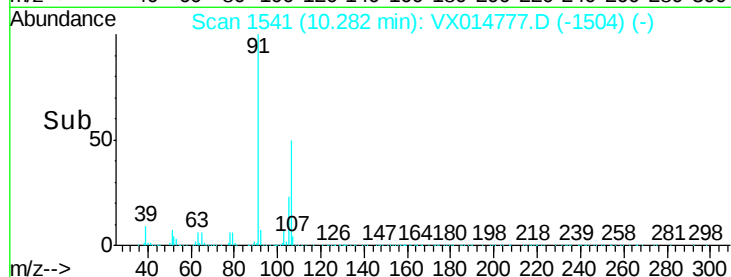
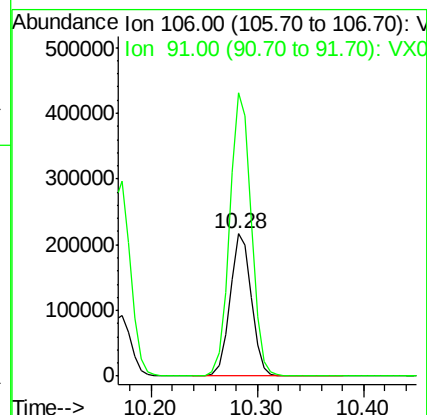
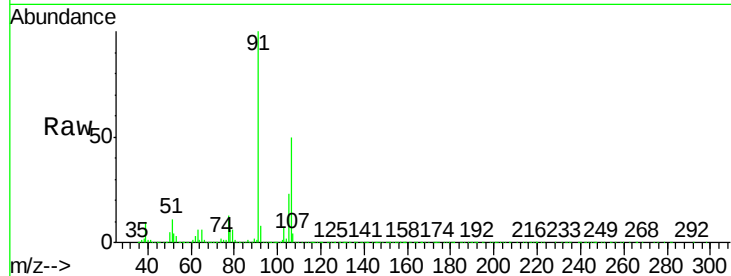




#68
m/p-Xylenes
Concen: 37.619 ug/l
RT: 10.28 min Scan# 1541
Delta R.T. -0.07 min
Lab File: VX014777.D
Acq: 31 Jan 2020 12:01

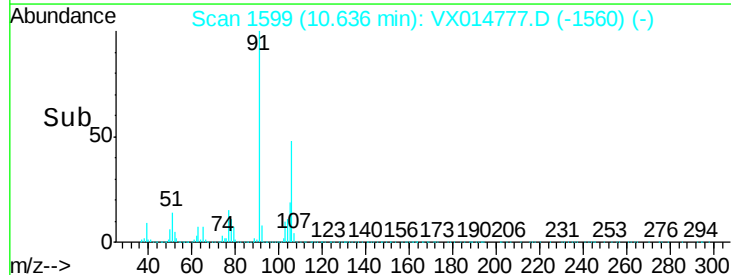
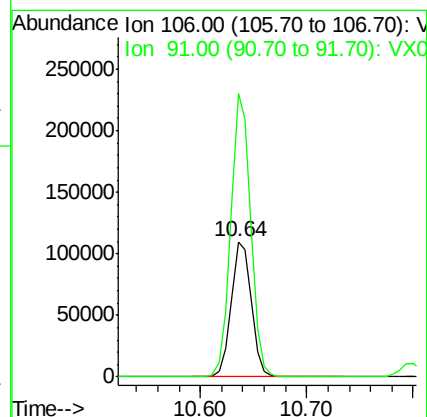
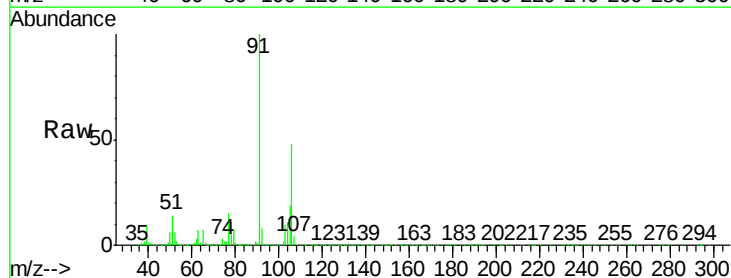
Instrument :
MSVOA_X
ClientSampleId :
VX0131WBS01

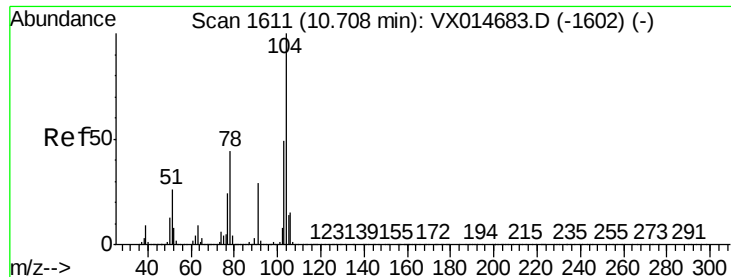
Tot Ion:106 Resp: 303422
Ion Ratio Lower Upper
106 100
91 201.1 159.4 239.2



#69
o-Xylene
Concen: 18.845 ug/l
RT: 10.64 min Scan# 1599
Delta R.T. -0.06 min
Lab File: VX014777.D
Acq: 31 Jan 2020 12:01

Tgt Ion:106 Resp: 146737
Ion Ratio Lower Upper
106 100
91 205.6 106.2 318.6

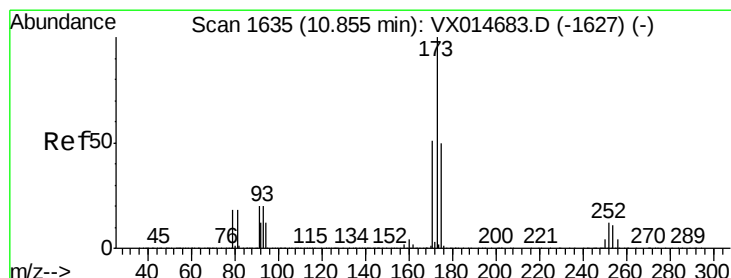
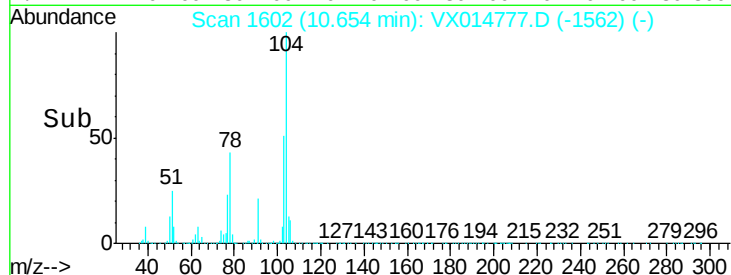
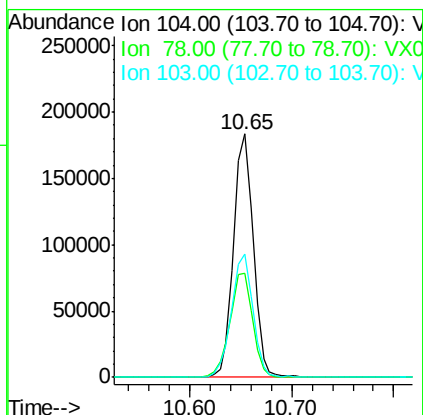
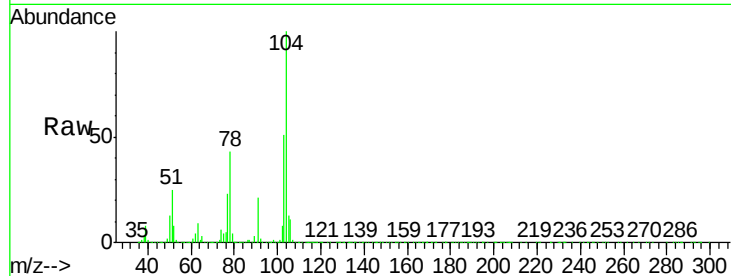




#70
Stvrene
Concen: 18.721 ug/l
RT: 10.65 min Scan# 1602
Delta R.T. -0.05 min
Lab File: VX014777.D
Acq: 31 Jan 2020 12:01

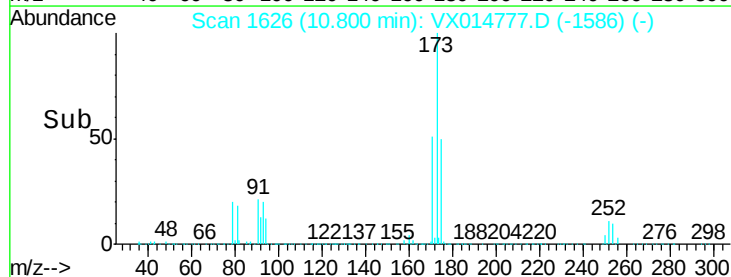
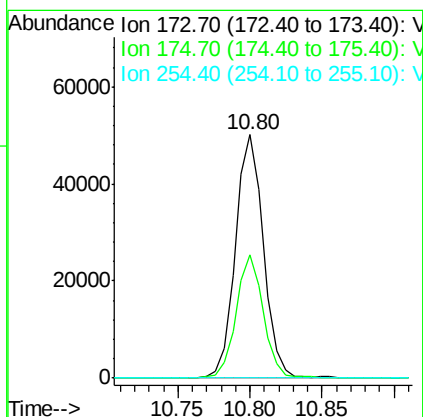
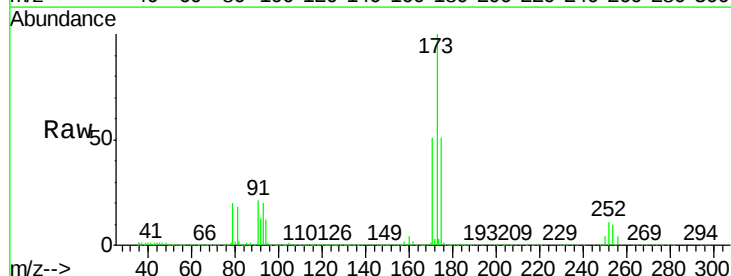
Instrument :
MSVOA_X
ClientSampleId :
VX0131WBS01

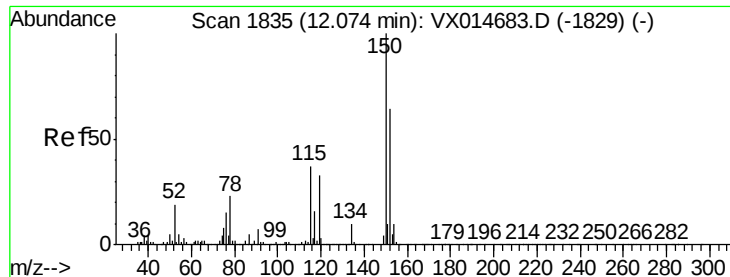
Tot Ion	Ratio	Lower	Upper
104	100		
78	49.7	39.3	58.9
103	55.1	43.5	65.3



#71
Bromoform
Concen: 18.559 ug/l
RT: 10.80 min Scan# 1626
Delta R.T. -0.05 min
Lab File: VX014777.D
Acq: 31 Jan 2020 12:01

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.5	24.6	73.6
254	0.2	0.1	0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.05 min Scan# 1831

Delta R.T. -0.02 min

Lab File: VX014777.D

Acq: 31 Jan 2020 12:01

Instrument :

MSVOA_X

ClientSampleId :

VX0131WBS01

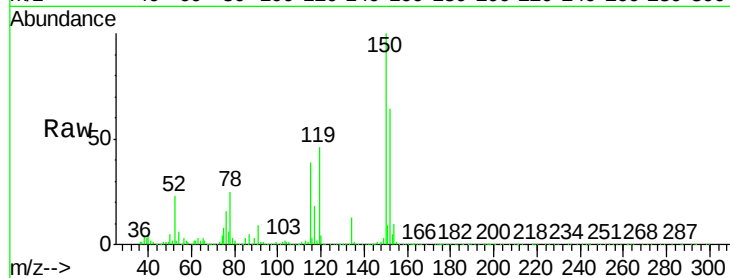
Tot Ion:152 Resp: 296081

Ion Ratio Lower Upper

152 100

115 63.5 39.4 118.1

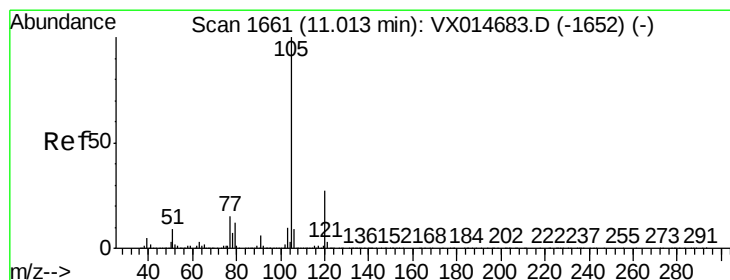
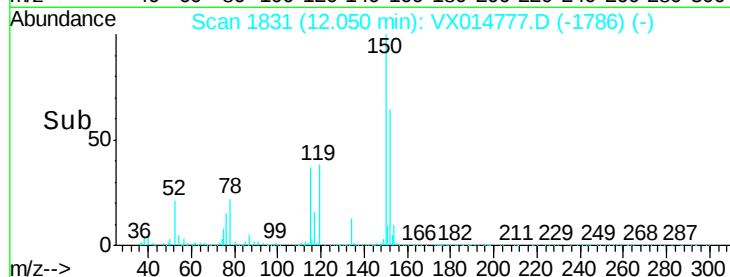
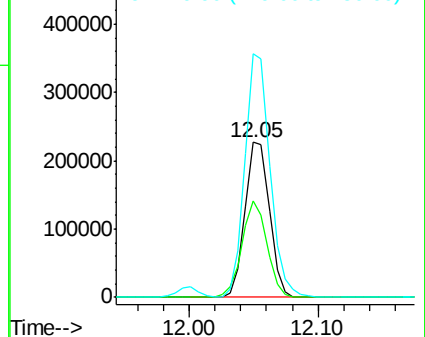
150 161.4 0.0 351.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 18.634 ug/l

RT: 10.97 min Scan# 1654

Delta R.T. -0.04 min

Lab File: VX014777.D

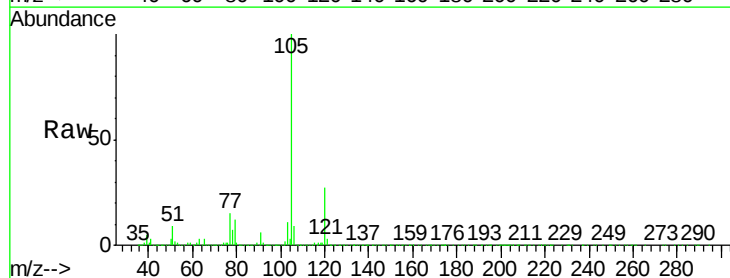
Acq: 31 Jan 2020 12:01

Tgt Ion:105 Resp: 387937

Ion Ratio Lower Upper

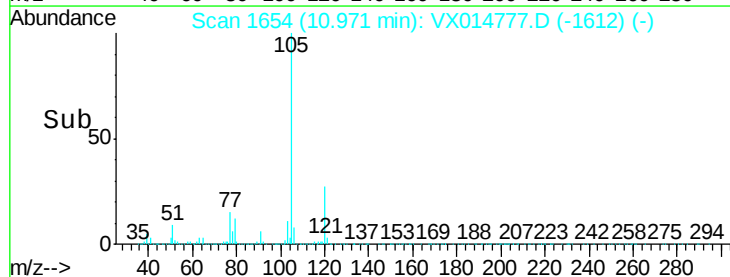
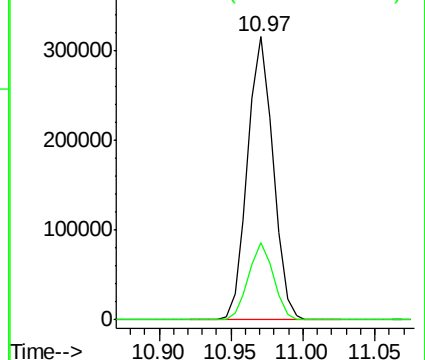
105 100

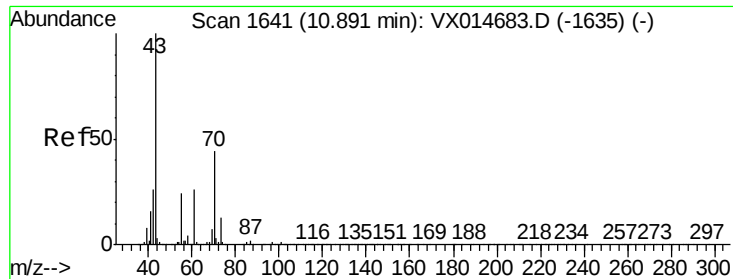
120 26.7 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 17.437 ug/l

RT: 10.86 min Scan# 1635

Delta R.T. -0.04 min

Lab File: VX014777.D

Acq: 31 Jan 2020 12:01

Instrument :

MSVOA_X

ClientSampleId :

VX0131WBS01

Tot Ion: 43 Resp: 159073

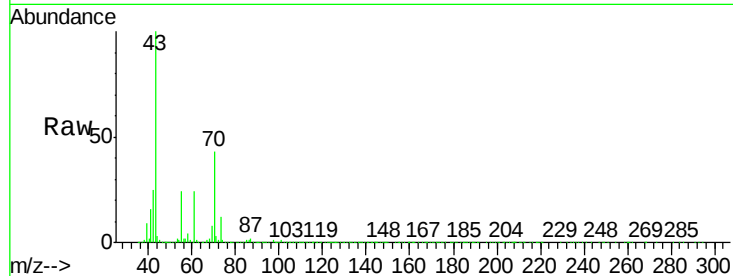
Ion Ratio Lower Upper

43 100

70 44.9 34.6 52.0

55 24.9 19.4 29.2

61 24.7 19.8 29.6

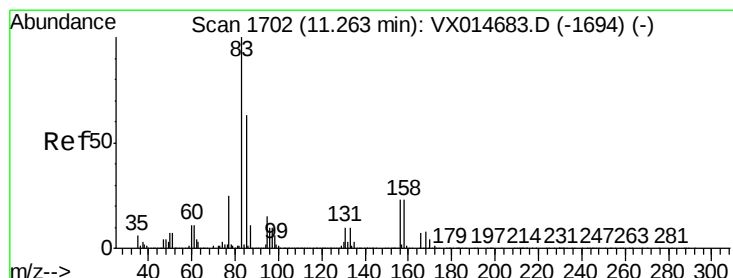
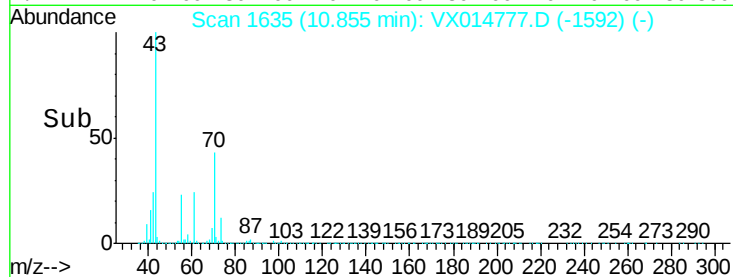
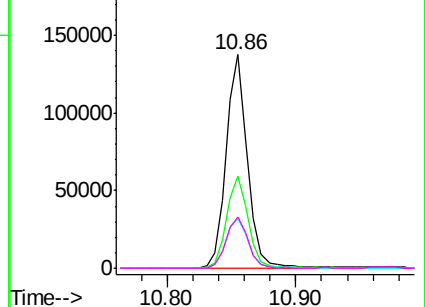


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#75

1,1,2,2-Tetrachloroethane

Concen: 17.362 ug/l

RT: 11.23 min Scan# 1696

Delta R.T. -0.04 min

Lab File: VX014777.D

Acq: 31 Jan 2020 12:01

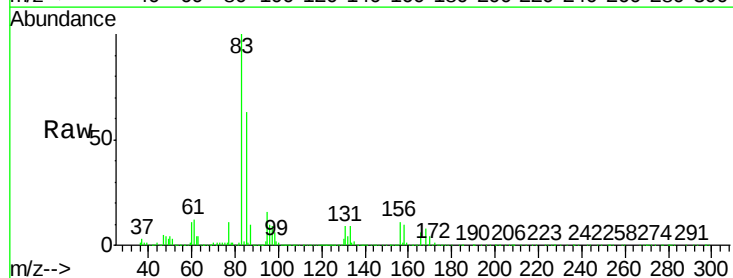
Tgt Ion: 83 Resp: 129056

Ion Ratio Lower Upper

83 100

131 9.6 5.0 15.0

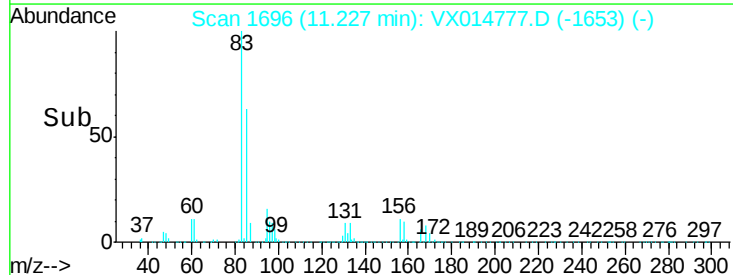
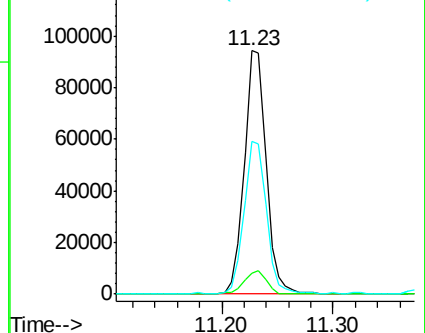
85 63.7 31.7 95.1

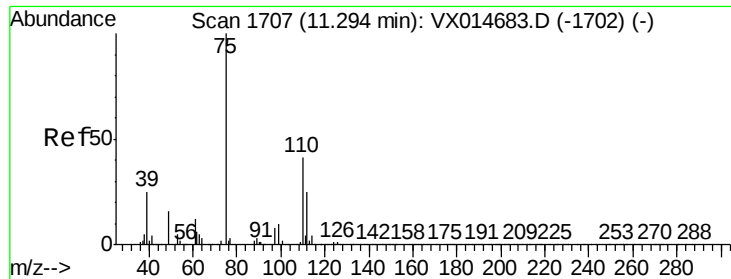


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0

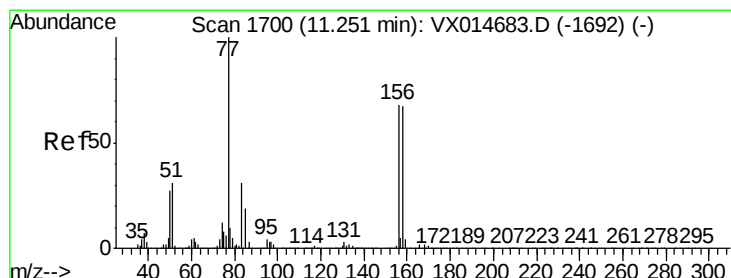
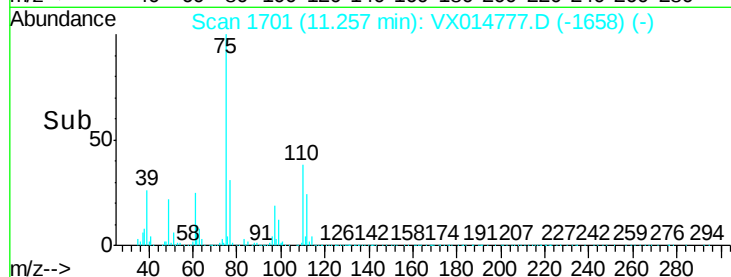
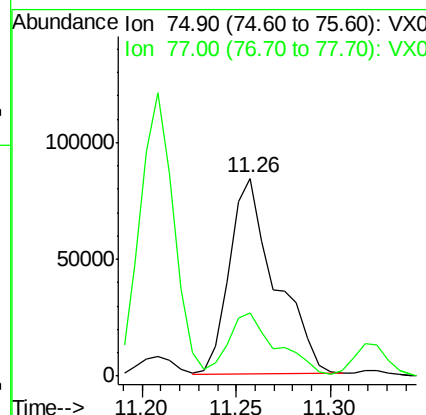
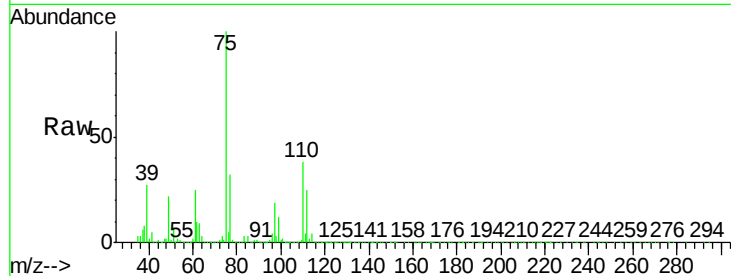




#76
 1,2,3-Trichloropropane
 Concen: 20.634 ug/l
 RT: 11.26 min Scan# 1701
 Delta R.T. -0.04 min
 Lab File: VX014777.D
 Acq: 31 Jan 2020 12:01

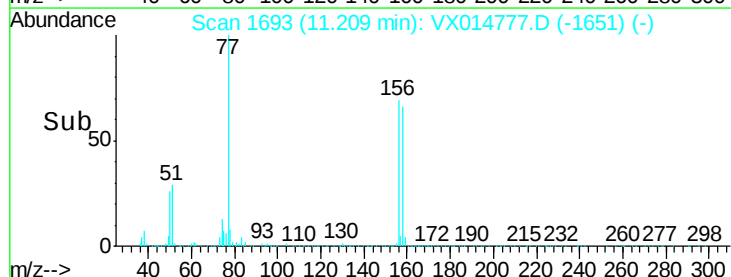
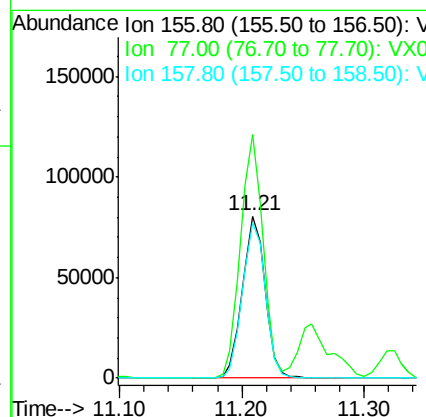
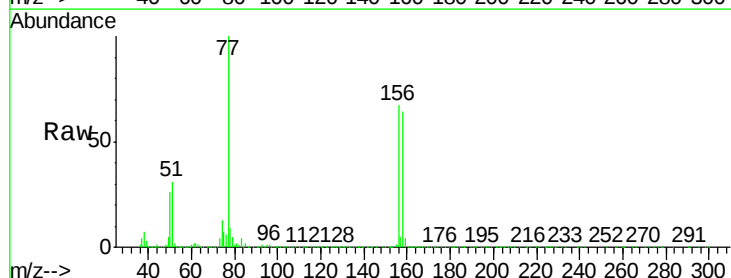
Instrument :
 MSVOA_X
 ClientSampled :
 VX0131WBS01

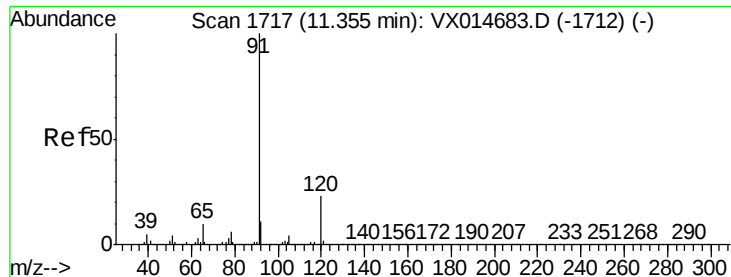
Tot Ion: 75 Resp: 142136
 Ion Ratio Lower Upper
 75 100
 77 34.0 18.7 56.1



#77
 Bromobenzene
 Concen: 18.398 ug/l
 RT: 11.21 min Scan# 1693
 Delta R.T. -0.04 min
 Lab File: VX014777.D
 Acq: 31 Jan 2020 12:01

Tgt Ion: 156 Resp: 102895
 Ion Ratio Lower Upper
 156 100
 77 148.9 77.5 232.5
 158 96.8 49.1 147.3





#78

n-propylbenzene

Concen: 18.702 ug/l

RT: 11.32 min Scan# 1712

Delta R.T. -0.03 min

Lab File: VX014777.D

Acq: 31 Jan 2020 12:01

Instrument :

MSVOA_X

ClientSampleId :

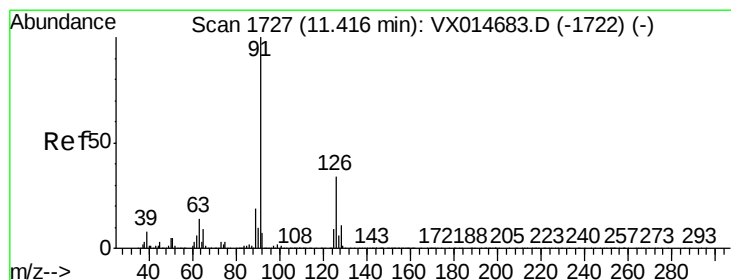
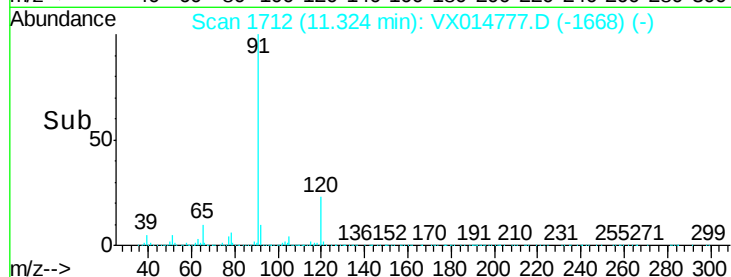
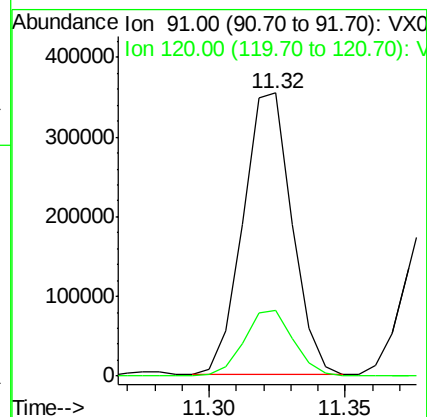
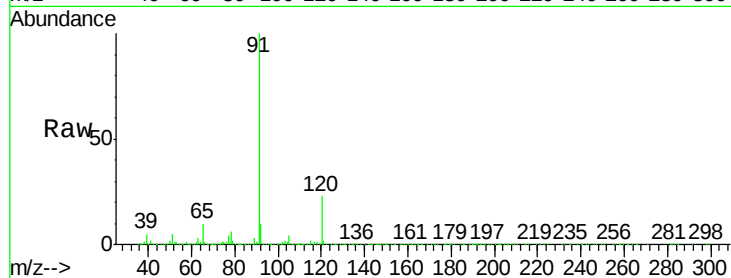
VX0131WBS01

Tot Ion: 91 Resp: 441941

Ion Ratio Lower Upper

91 100

120 23.5 11.7 35.0



#79

2-Chlorotoluene

Concen: 18.586 ug/l

RT: 11.38 min Scan# 1721

Delta R.T. -0.04 min

Lab File: VX014777.D

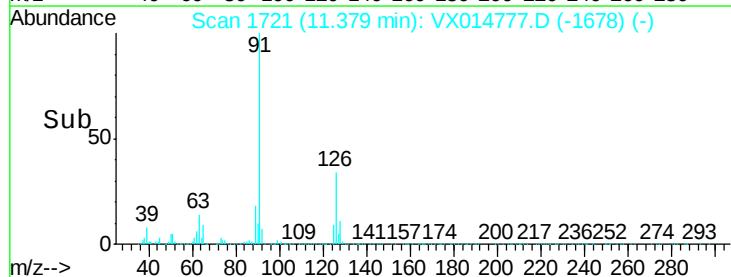
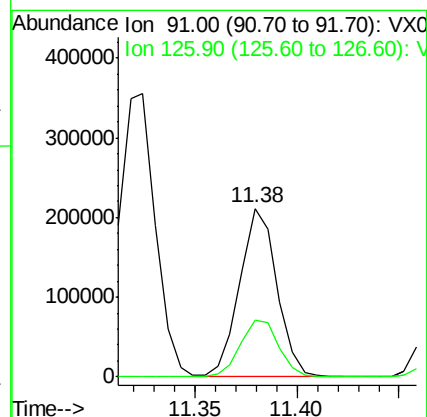
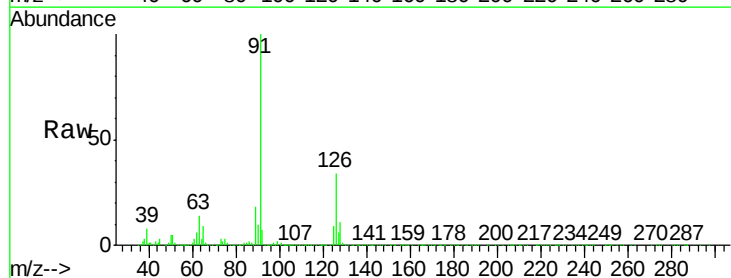
Acq: 31 Jan 2020 12:01

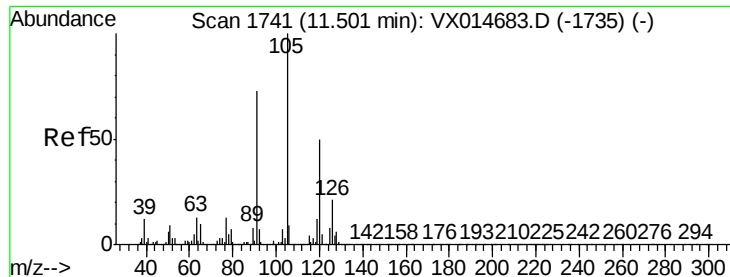
Tgt Ion: 91 Resp: 265741

Ion Ratio Lower Upper

91 100

126 35.1 17.3 51.9

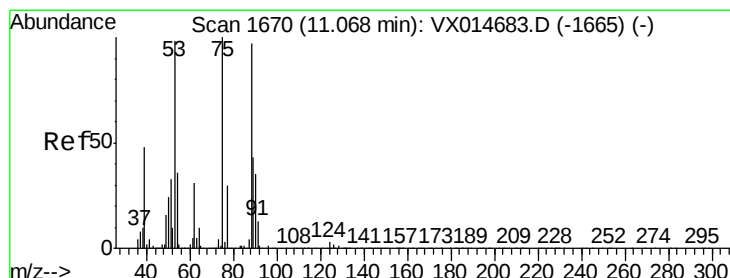
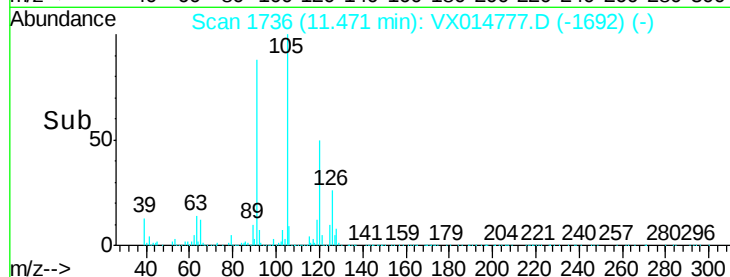
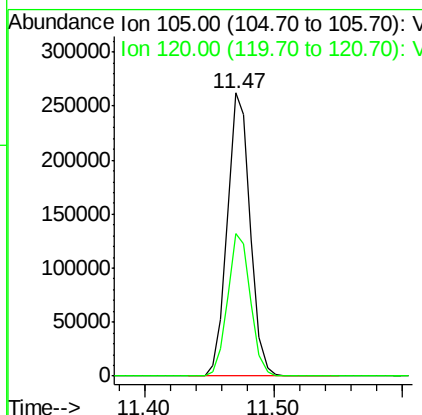
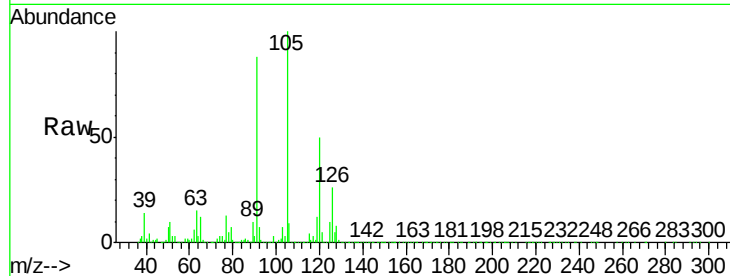




#80
 1,3,5-Trimethylbenzene
 Concen: 18.915 ug/l
 RT: 11.47 min Scan# 1736
 Delta R.T. -0.03 min
 Lab File: VX014777.D
 Acq: 31 Jan 2020 12:01

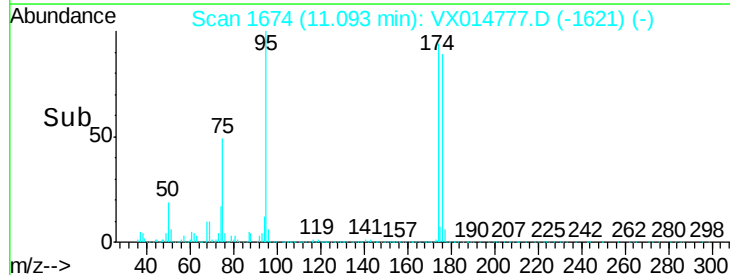
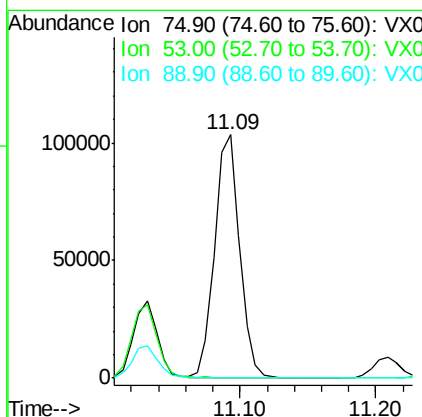
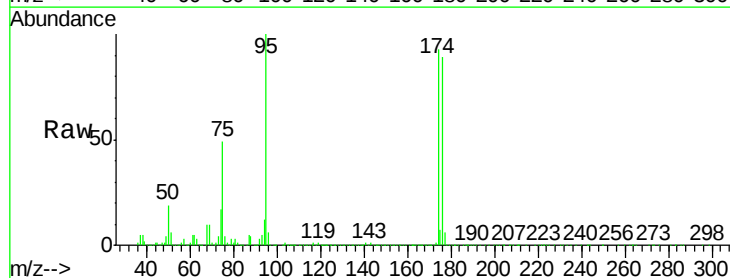
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0131WBS01

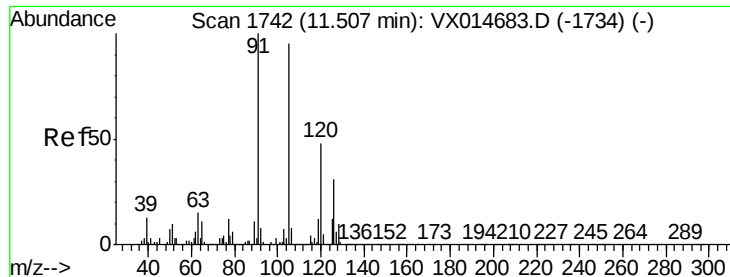
Tot Ion:105 Resp: 326820
 Ion Ratio Lower Upper
 105 100
 120 50.4 24.9 74.6



#81
 trans-1,4-Dichloro-2-butene
 Concen: 54.277 ug/l
 RT: 11.09 min Scan# 1674
 Delta R.T. 0.02 min
 Lab File: VX014777.D
 Acq: 31 Jan 2020 12:01

Tgt Ion: 75 Resp: 131383
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.8 118.2#
 89 0.0 35.4 53.0#

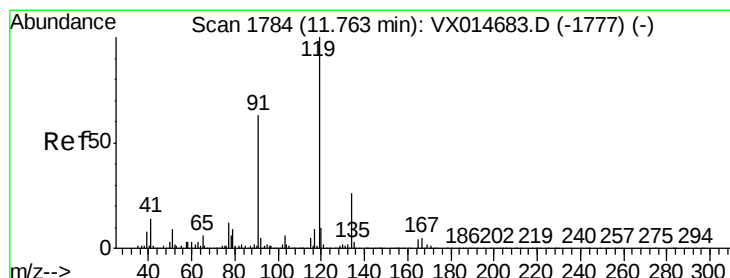
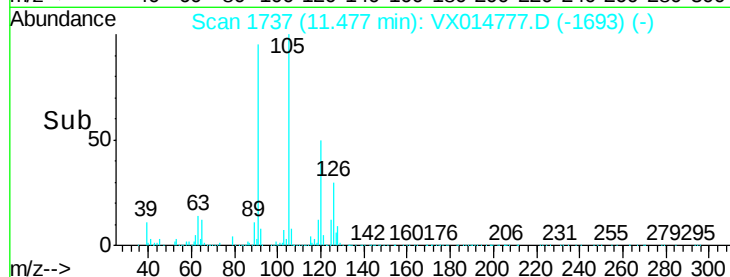
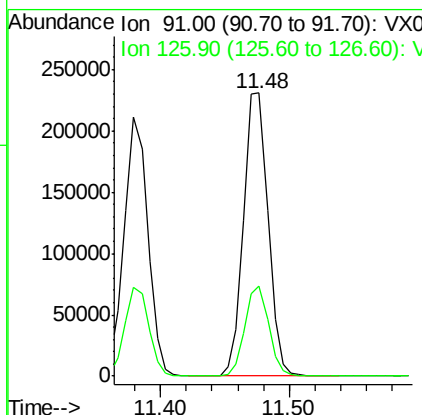
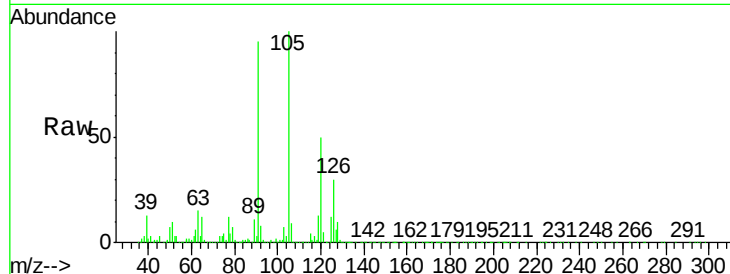




#82
4-Chlorotoluene
Concen: 18.648 ug/l
RT: 11.48 min Scan# 1737
Delta R.T. -0.03 min
Lab File: VX014777.D
Acq: 31 Jan 2020 12:01

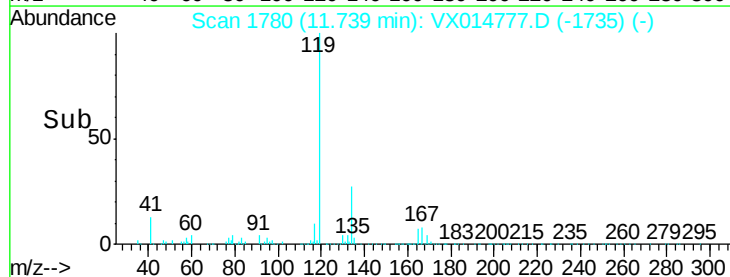
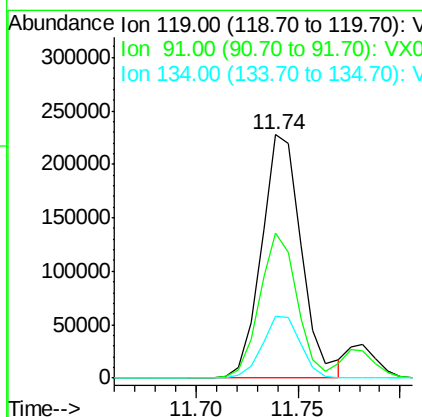
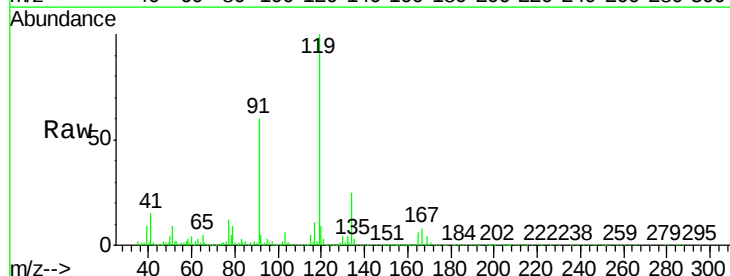
Instrument :
MSVOA_X
ClientSampleId :
VX0131WBS01

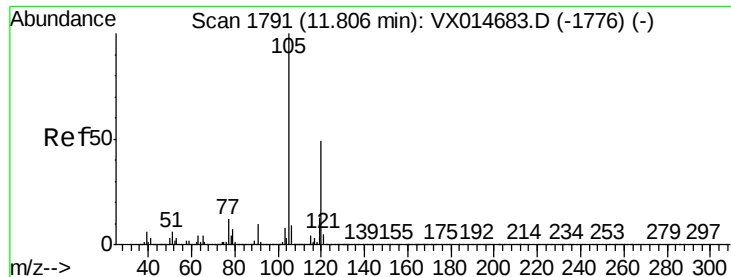
Tot Ion: 91 Resp: 303541
Ion Ratio Lower Upper
91 100
126 31.2 15.4 46.4



#83
tert-Butylbenzene
Concen: 19.119 ug/l
RT: 11.74 min Scan# 1780
Delta R.T. -0.02 min
Lab File: VX014777.D
Acq: 31 Jan 2020 12:01

Tgt Ion: 119 Resp: 310429
Ion Ratio Lower Upper
119 100
91 55.7 30.0 90.0
134 24.1 12.7 38.0



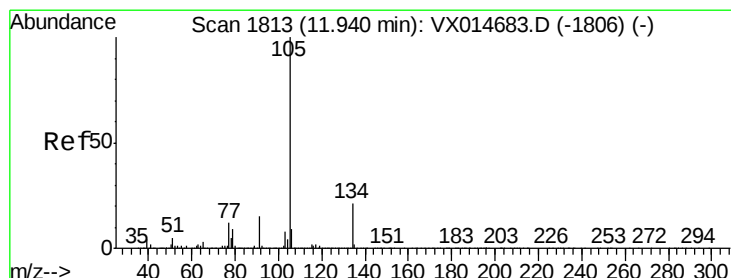
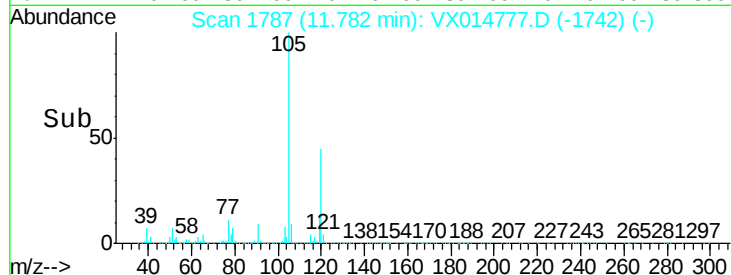
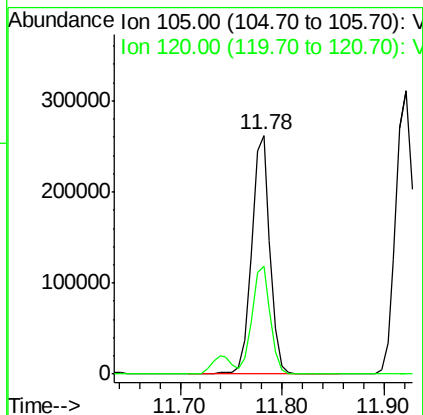
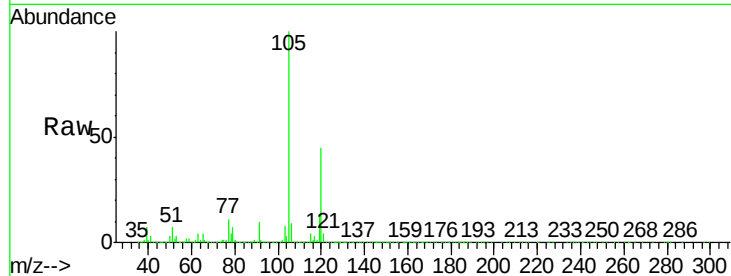


#84

1,2,4-Trimethylbenzene
Concen: 18.889 ug/l
RT: 11.78 min Scan# 1787
Delta R.T. -0.02 min
Lab File: VX014777.D
Acq: 31 Jan 2020 12:01

Instrument :
MSVOA_X
ClientSampleId :
VX0131WBS01

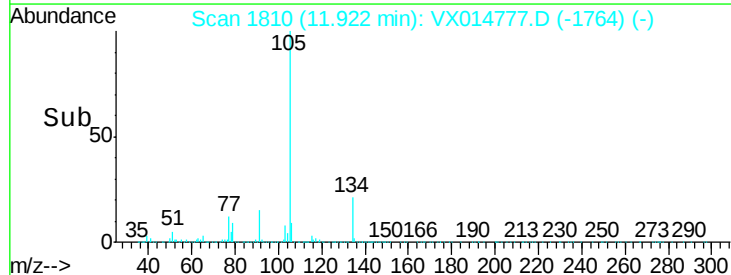
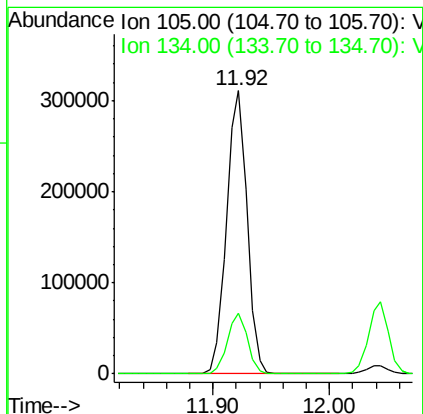
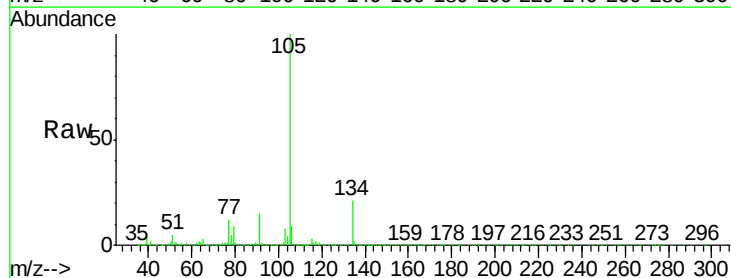
Tot Ion:105 Resp: 327360
Ion Ratio Lower Upper
105 100
120 45.7 23.4 70.0

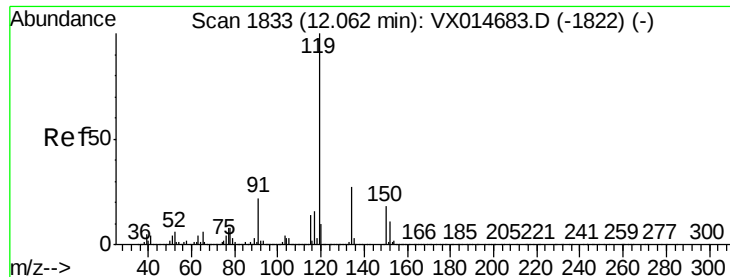


#85

sec-Butylbenzene
Concen: 19.071 ug/l
RT: 11.92 min Scan# 1810
Delta R.T. -0.02 min
Lab File: VX014777.D
Acq: 31 Jan 2020 12:01

Tgt Ion:105 Resp: 379336
Ion Ratio Lower Upper
105 100
134 21.0 10.3 30.8

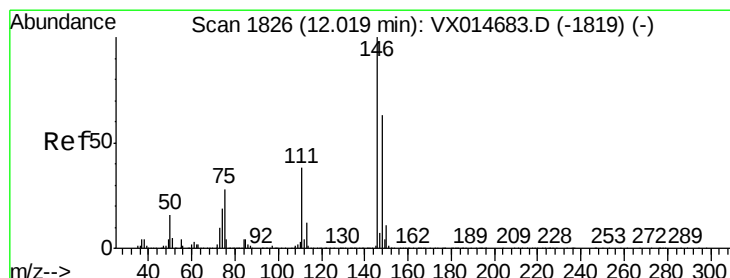
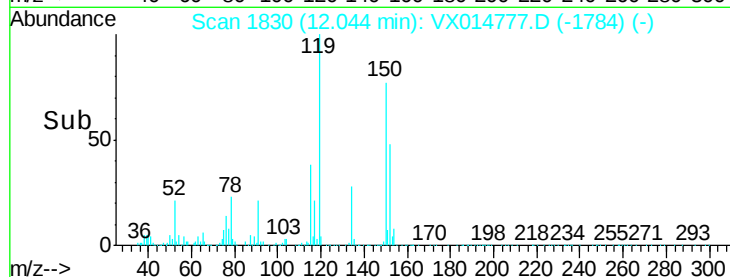
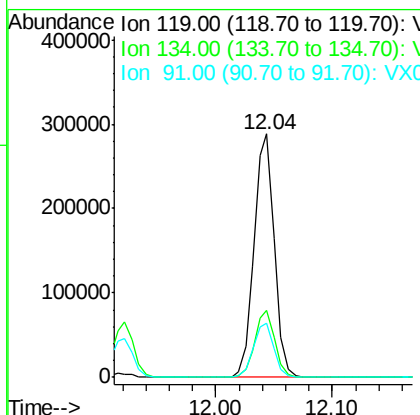
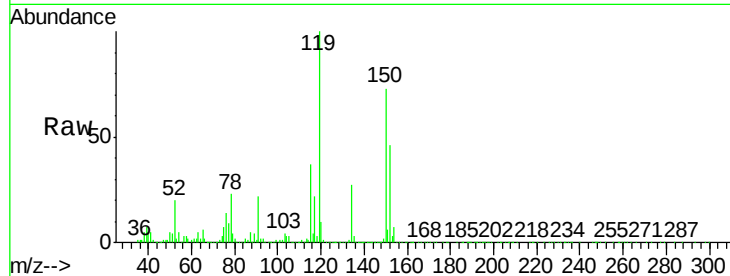




#86
 p-Isopropyltoluene
 Concen: 19.004 ug/l
 RT: 12.04 min Scan# 1830
 Delta R.T. -0.02 min
 Lab File: VX014777.D
 Acq: 31 Jan 2020 12:01

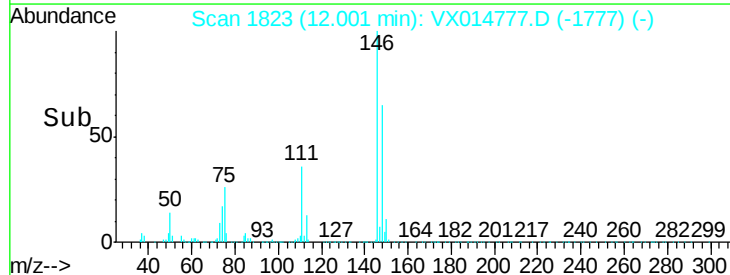
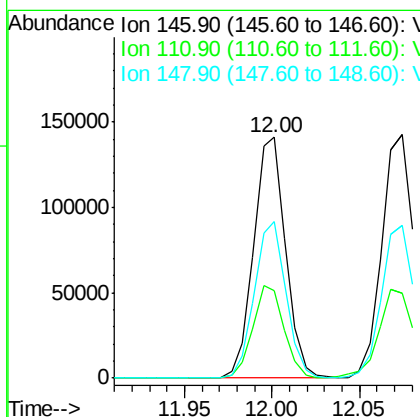
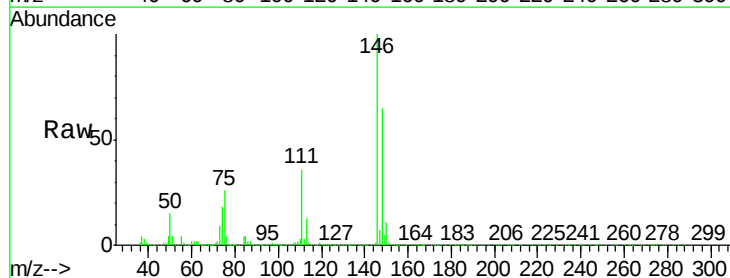
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0131WBS01

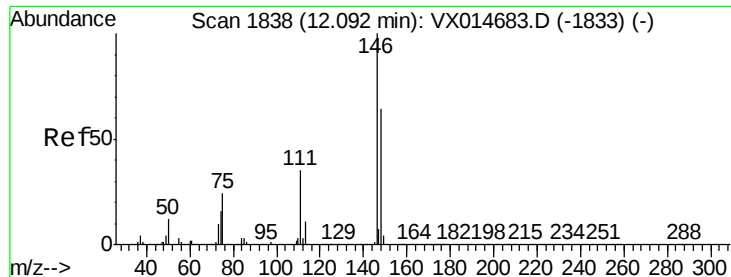
Tot Ion	Ratio	Lower	Upper
119	100		
134	27.0	13.5	40.4
91	22.4	11.3	33.8



#87
 1,3-Dichlorobenzene
 Concen: 17.930 ug/l
 RT: 12.00 min Scan# 1823
 Delta R.T. -0.02 min
 Lab File: VX014777.D
 Acq: 31 Jan 2020 12:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.6	19.0	57.0
148	64.6	31.6	95.0





#88

1,4-Dichlorobenzene

Concen: 18.085 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.02 min

Lab File: VX014777.D

Acq: 31 Jan 2020 12:01

Instrument :

MSVOA_X

ClientSampleId :

VX0131WBS01

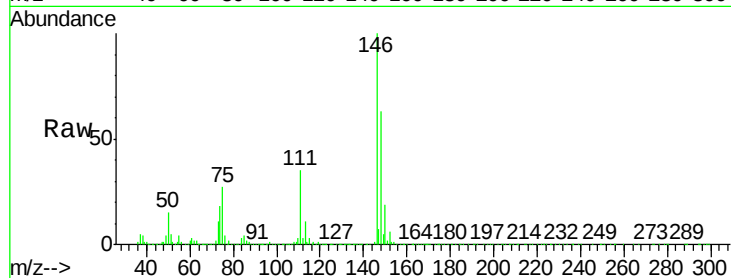
Tot Ion:146 Resp: 182086

Ion Ratio Lower Upper

146 100

111 38.4 18.6 55.8

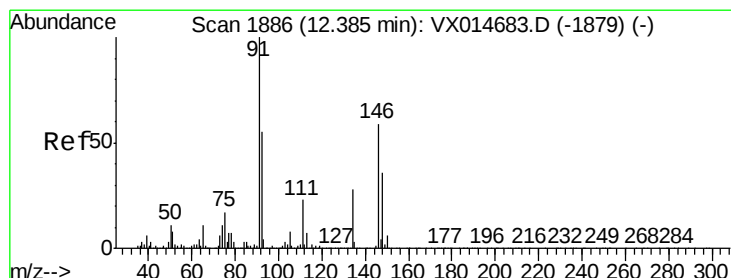
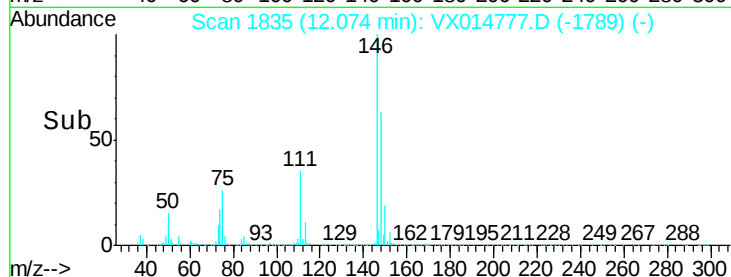
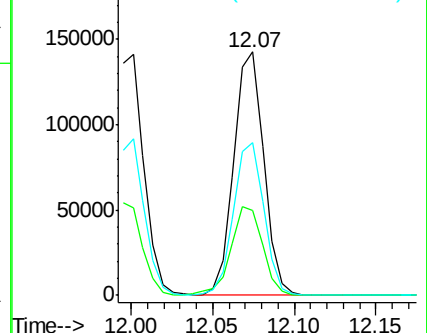
148 63.9 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 18.099 ug/l

RT: 12.37 min Scan# 1883

Delta R.T. -0.02 min

Lab File: VX014777.D

Acq: 31 Jan 2020 12:01

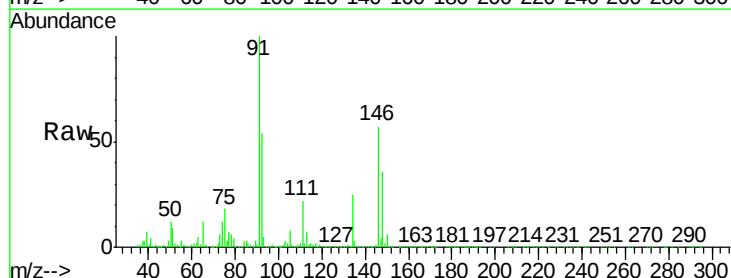
Tgt Ion: 91 Resp: 289755

Ion Ratio Lower Upper

91 100

92 54.6 27.6 82.7

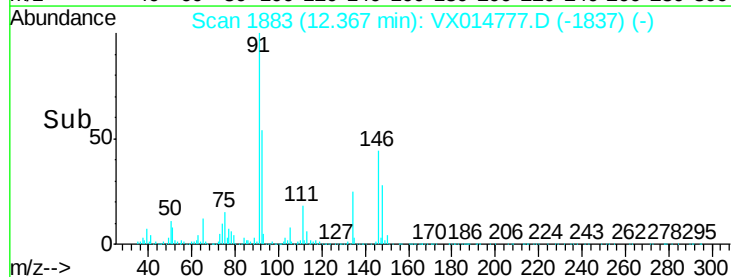
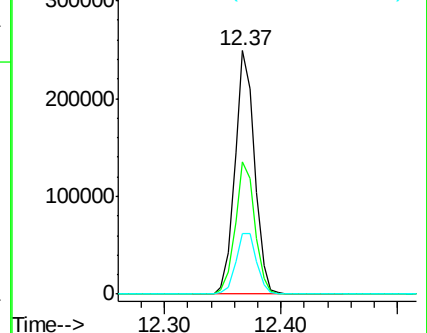
134 26.6 13.3 39.8

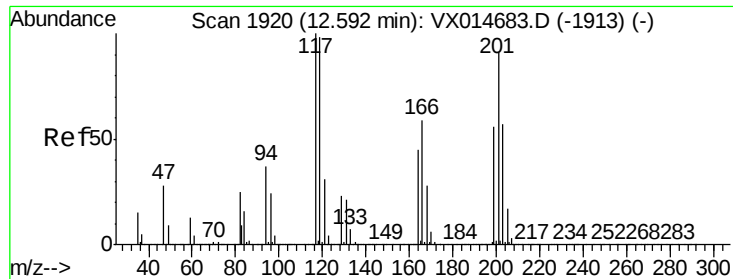


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V

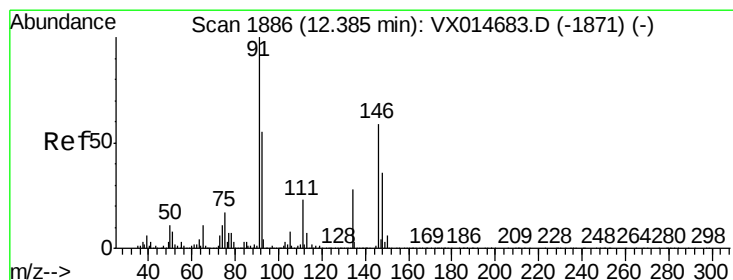
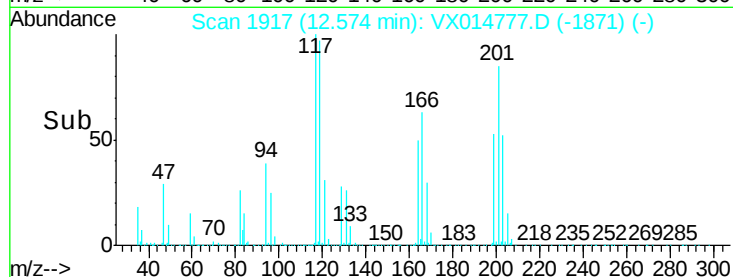
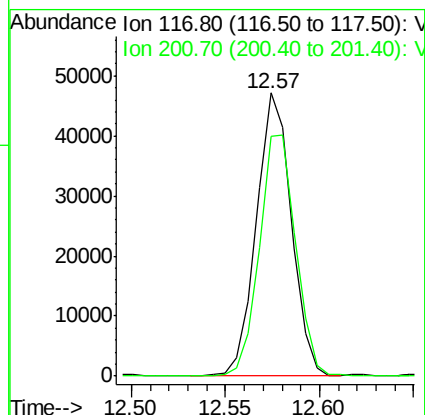
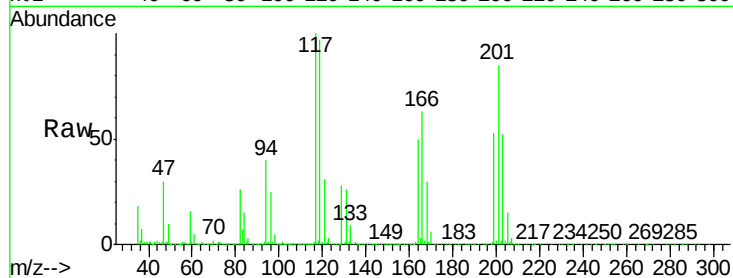




#90
Hexachloroethane
Concen: 17.701 ug/l
RT: 12.57 min Scan# 1917
Delta R.T. -0.02 min
Lab File: VX014777.D
Acq: 31 Jan 2020 12:01

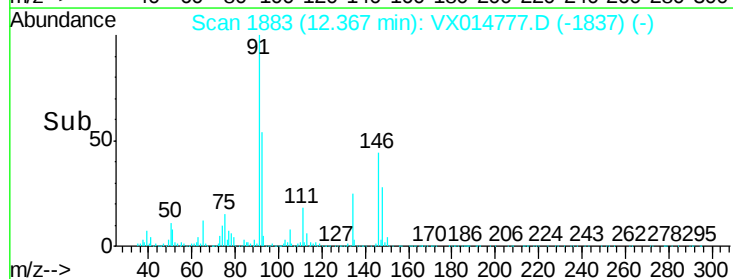
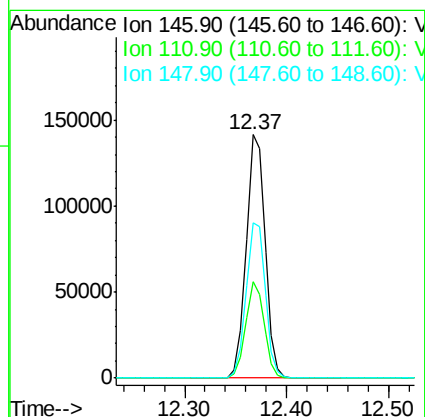
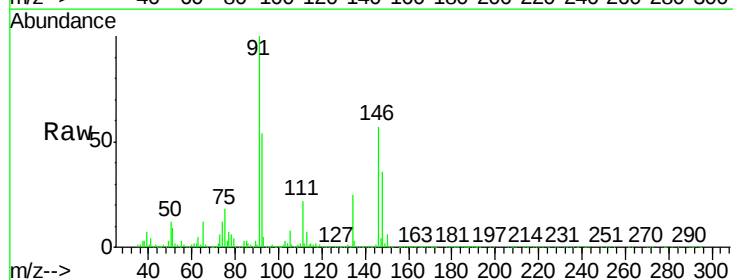
Instrument :
MSVOA_X
ClientSampleId :
VX0131WBS01

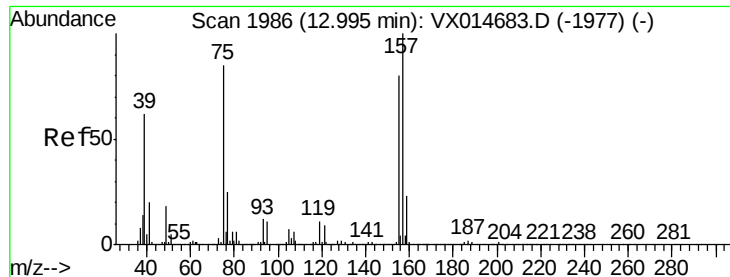
Tot Ion:117 Resp: 60436
Ion Ratio Lower Upper
117 100
201 88.9 44.4 133.1



#91
1,2-Dichlorobenzene
Concen: 18.137 ug/l
RT: 12.37 min Scan# 1883
Delta R.T. -0.02 min
Lab File: VX014777.D
Acq: 31 Jan 2020 12:01

Tgt Ion:146 Resp: 181057
Ion Ratio Lower Upper
146 100
111 38.8 19.6 58.8
148 64.9 31.9 95.9





#92

1,2-Dibromo-3-Chloropropane

Concen: 16.615 ug/l

RT: 12.98 min Scan# 1984

Delta R.T. -0.01 min

Lab File: VX014777.D

Acq: 31 Jan 2020 12:01

Instrument :

MSVOA_X

ClientSampleId :

VX0131WBS01

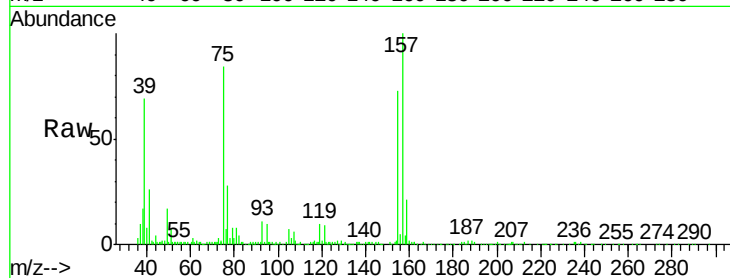
Tot Ion: 75 Resp: 26535

Ion Ratio Lower Upper

75 100

155 90.9 45.6 136.9

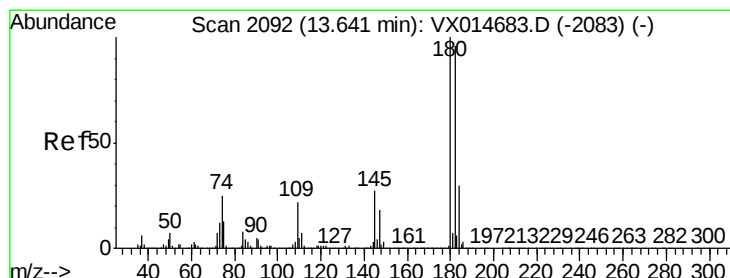
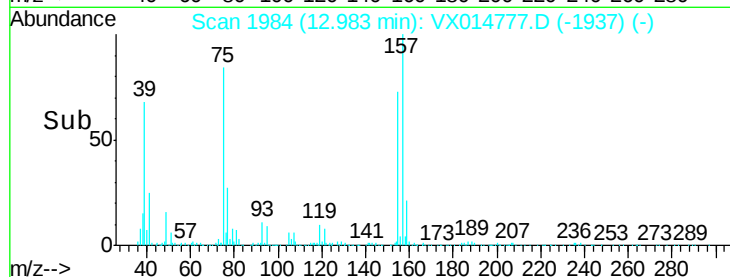
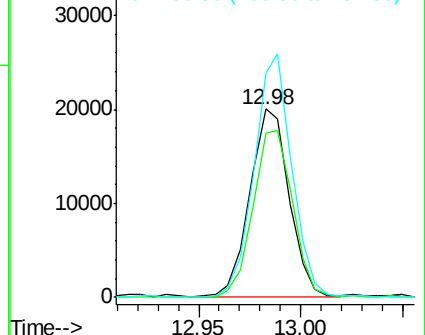
157 126.5 60.3 180.9



Abundance Ion 74.90 (74.60 to 75.60): VX014683.D (-1977) (-)

Ion 154.80 (154.50 to 155.50): VX014683.D (-1977) (-)

Ion 156.80 (156.50 to 157.50): VX014683.D (-1977) (-)



#93

1,2,4-Trichlorobenzene

Concen: 18.050 ug/l

RT: 13.63 min Scan# 2091

Delta R.T. -0.01 min

Lab File: VX014777.D

Acq: 31 Jan 2020 12:01

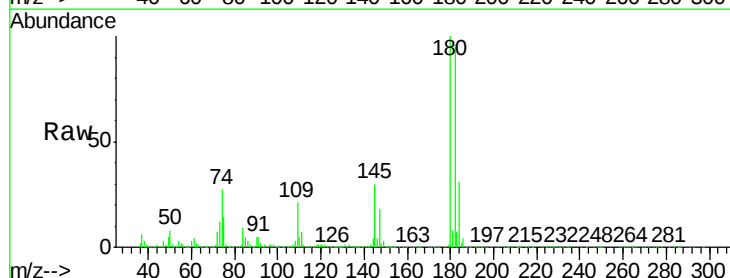
Tgt Ion: 180 Resp: 116172

Ion Ratio Lower Upper

180 100

182 95.5 48.5 145.6

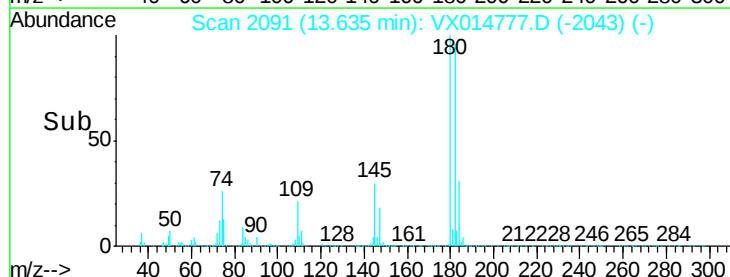
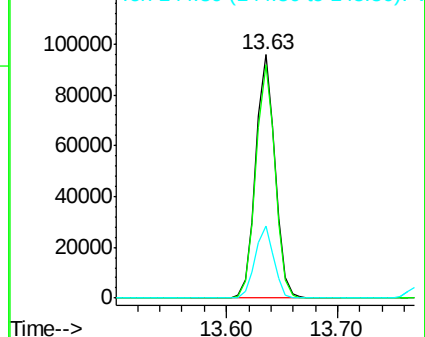
145 28.6 14.0 41.9

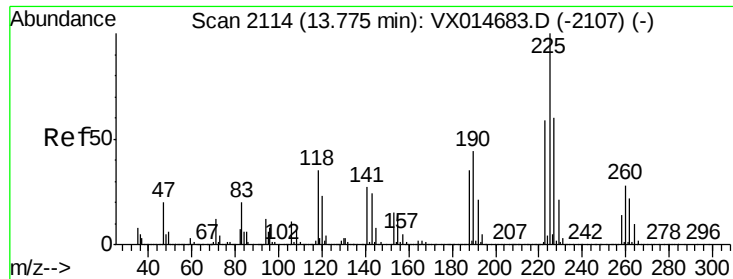


Abundance Ion 179.80 (179.50 to 180.50): VX014683.D (-2083) (-)

Ion 181.80 (181.50 to 182.50): VX014683.D (-2083) (-)

Ion 144.80 (144.50 to 145.50): VX014683.D (-2083) (-)

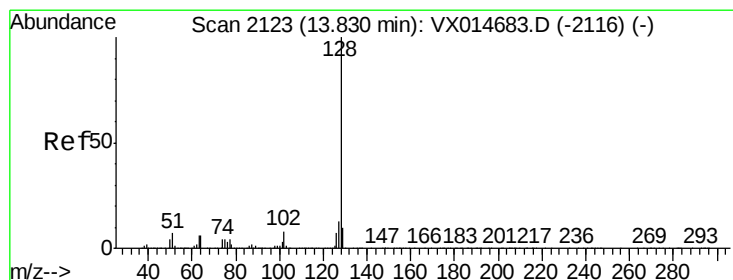
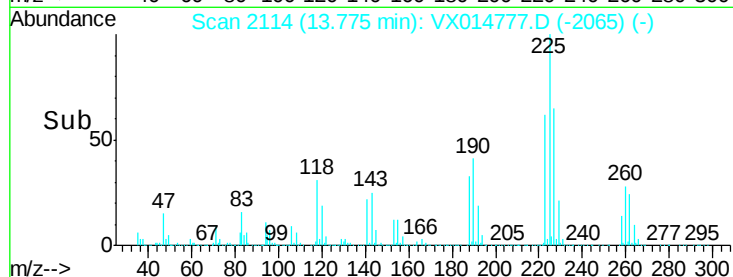
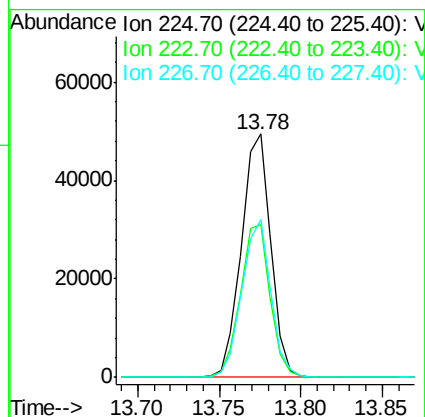
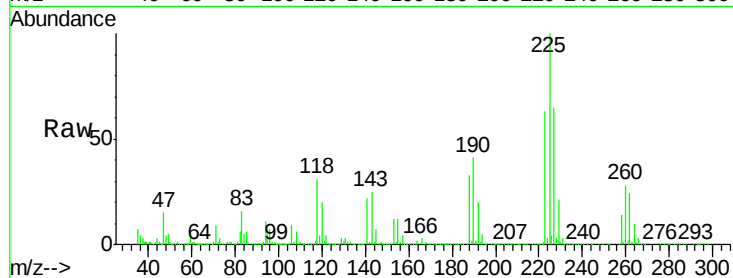




#94
Hexachlorobutadiene
Concen: 18.787 ug/l
RT: 13.78 min Scan# 2114
Delta R.T. 0.00 min
Lab File: VX014777.D
Acq: 31 Jan 2020 12:01

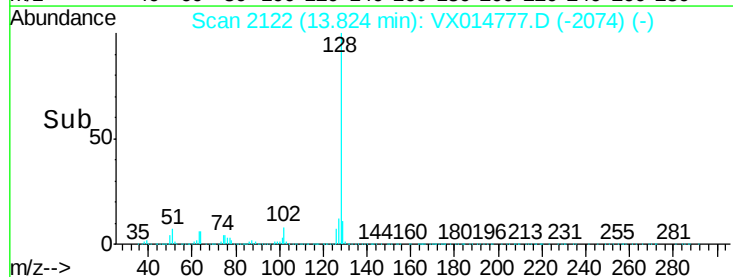
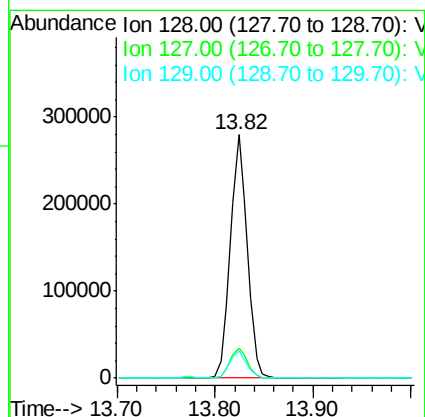
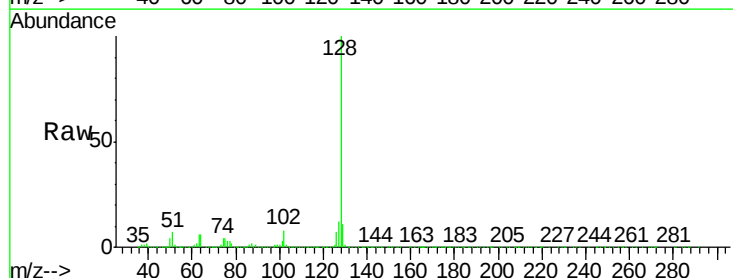
Instrument :
MSVOA_X
ClientSampleId :
VX0131WBS01

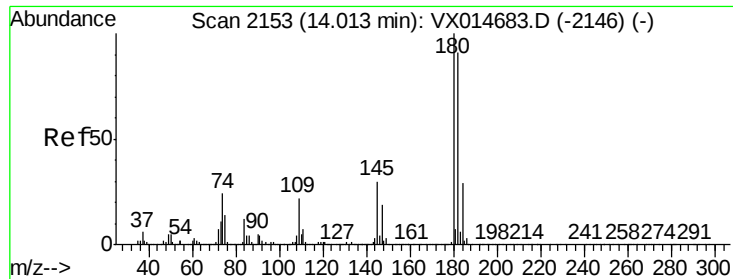
Tot Ion:225 Resp: 62234
Ion Ratio Lower Upper
225 100
223 63.8 30.6 91.8
227 64.2 31.4 94.0



#95
Naphthalene
Concen: 16.843 ug/l
RT: 13.82 min Scan# 2122
Delta R.T. -0.01 min
Lab File: VX014777.D
Acq: 31 Jan 2020 12:01

Tgt Ion:128 Resp: 336518
Ion Ratio Lower Upper
128 100
127 12.8 10.3 15.5
129 11.0 8.6 12.8





#96

1,2,3-Trichlorobenzene

Concen: 18.504 ug/l

RT: 14.01 min Scan# 2153

Delta R.T. 0.00 min

Lab File: VX014777.D

Acq: 31 Jan 2020 12:01

Instrument :

MSVOA_X

ClientSampleId :

VX0131WBS01

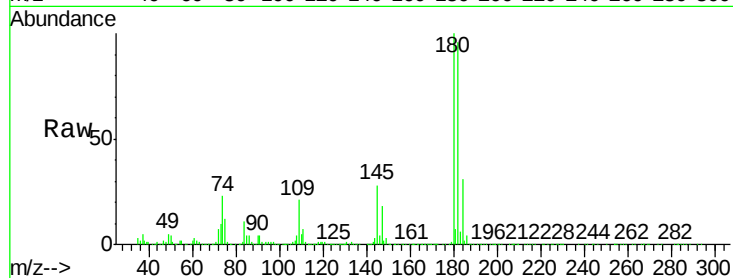
Tot Ion:180 Resp: 120423

Ion Ratio Lower Upper

180 100

182 94.9 46.6 139.7

145 29.9 14.7 44.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

